

# ASTM G173-03 Reference Spectra Derived from SMARTS v. 2.9.2

| Wvlgth nm | Etr W*m <sup>-2</sup> *nm <sup>-1</sup> | Global tilt W*m <sup>-2</sup> *nm <sup>-1</sup> | Direct+circumsolar W*m <sup>-2</sup> *nm <sup>-1</sup> |
|-----------|-----------------------------------------|-------------------------------------------------|--------------------------------------------------------|
| 280.0     | 8.2000E-02                              | 4.7309E-23                                      | 2.5361E-26                                             |
| 280.5     | 9.9000E-02                              | 1.2307E-21                                      | 1.0917E-24                                             |
| 281.0     | 1.5000E-01                              | 5.6895E-21                                      | 6.1253E-24                                             |
| 281.5     | 2.1200E-01                              | 1.5662E-19                                      | 2.7479E-22                                             |
| 282.0     | 2.6700E-01                              | 1.1946E-18                                      | 2.8346E-21                                             |
| 282.5     | 3.0300E-01                              | 4.5436E-18                                      | 1.3271E-20                                             |
| 283.0     | 3.2500E-01                              | 1.8452E-17                                      | 6.7646E-20                                             |
| 283.5     | 3.2300E-01                              | 3.5360E-17                                      | 1.4614E-19                                             |
| 284.0     | 2.9900E-01                              | 7.2670E-16                                      | 4.9838E-18                                             |
| 284.5     | 2.5024E-01                              | 2.4856E-15                                      | 2.1624E-17                                             |
| 285.0     | 1.7589E-01                              | 8.0142E-15                                      | 8.9998E-17                                             |
| 285.5     | 1.5500E-01                              | 4.2613E-14                                      | 6.4424E-16                                             |
| 286.0     | 2.4200E-01                              | 1.3684E-13                                      | 2.3503E-15                                             |
| 286.5     | 3.3300E-01                              | 8.3823E-13                                      | 1.8458E-14                                             |
| 287.0     | 3.6200E-01                              | 2.7367E-12                                      | 7.2547E-14                                             |
| 287.5     | 3.3900E-01                              | 1.0903E-11                                      | 3.6618E-13                                             |
| 288.0     | 3.1100E-01                              | 6.2337E-11                                      | 2.8061E-12                                             |
| 288.5     | 3.2500E-01                              | 1.7162E-10                                      | 9.0651E-12                                             |
| 289.0     | 3.9200E-01                              | 5.6265E-10                                      | 3.4978E-11                                             |
| 289.5     | 4.7900E-01                              | 2.0749E-09                                      | 1.5368E-10                                             |
| 290.0     | 5.6300E-01                              | 6.0168E-09                                      | 5.1454E-10                                             |
| 290.5     | 6.0600E-01                              | 1.3783E-08                                      | 1.3303E-09                                             |
| 291.0     | 6.1800E-01                              | 3.5052E-08                                      | 3.8965E-09                                             |
| 291.5     | 5.9800E-01                              | 1.0913E-07                                      | 1.4425E-08                                             |
| 292.0     | 5.6700E-01                              | 2.6830E-07                                      | 4.0789E-08                                             |
| 292.5     | 5.2900E-01                              | 4.2685E-07                                      | 7.0414E-08                                             |
| 293.0     | 5.3800E-01                              | 8.6466E-07                                      | 1.5760E-07                                             |
| 293.5     | 5.4900E-01                              | 2.2707E-06                                      | 4.7095E-07                                             |
| 294.0     | 5.3300E-01                              | 4.1744E-06                                      | 9.4558E-07                                             |
| 294.5     | 5.2000E-01                              | 6.5911E-06                                      | 1.5965E-06                                             |
| 295.0     | 5.2700E-01                              | 1.2290E-05                                      | 3.2246E-06                                             |
| 295.5     | 5.5900E-01                              | 2.7826E-05                                      | 8.0206E-06                                             |
| 296.0     | 5.7300E-01                              | 4.7904E-05                                      | 1.4737E-05                                             |
| 296.5     | 5.2100E-01                              | 7.1345E-05                                      | 2.3312E-05                                             |
| 297.0     | 4.7800E-01                              | 9.6800E-05                                      | 3.3187E-05                                             |
| 297.5     | 5.2900E-01                              | 1.8608E-04                                      | 6.7912E-05                                             |
| 298.0     | 5.2800E-01                              | 2.8988E-04                                      | 1.1127E-04                                             |
| 298.5     | 4.6800E-01                              | 3.5789E-04                                      | 1.4270E-04                                             |
| 299.0     | 4.7200E-01                              | 4.9211E-04                                      | 2.0323E-04                                             |
| 299.5     | 5.0100E-01                              | 8.6068E-04                                      | 3.7386E-04                                             |
| 300.0     | 4.5794E-01                              | 1.0205E-03                                      | 4.5631E-04                                             |
| 300.5     | 4.3300E-01                              | 1.2450E-03                                      | 5.7207E-04                                             |
| 301.0     | 4.6300E-01                              | 1.9300E-03                                      | 9.1926E-04                                             |
| 301.5     | 4.7756E-01                              | 2.6914E-03                                      | 1.3201E-03                                             |
| 302.0     | 4.4900E-01                              | 2.9209E-03                                      | 1.4570E-03                                             |
| 302.5     | 5.0800E-01                              | 4.2840E-03                                      | 2.1910E-03                                             |
| 303.0     | 6.1200E-01                              | 7.0945E-03                                      | 3.7332E-03                                             |
| 303.5     | 6.4600E-01                              | 8.9795E-03                                      | 4.8044E-03                                             |
| 304.0     | 6.2100E-01                              | 9.4701E-03                                      | 5.0973E-03                                             |

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| 304.5 | 6.2600E-01 | 1.1953E-02 | 6.4675E-03 |
| 305.0 | 6.4200E-01 | 1.6463E-02 | 8.9336E-03 |
| 305.5 | 6.1100E-01 | 1.8719E-02 | 1.0186E-02 |
| 306.0 | 5.6500E-01 | 1.8577E-02 | 1.0150E-02 |
| 306.5 | 5.7500E-01 | 2.1108E-02 | 1.1568E-02 |
| 307.0 | 6.0500E-01 | 2.7849E-02 | 1.5246E-02 |
| 307.5 | 6.3100E-01 | 3.5635E-02 | 1.9468E-02 |
| 308.0 | 6.4500E-01 | 3.7837E-02 | 2.0753E-02 |
| 308.5 | 6.4050E-01 | 4.1430E-02 | 2.2750E-02 |
| 309.0 | 5.8000E-01 | 4.0534E-02 | 2.2298E-02 |
| 309.5 | 5.0000E-01 | 4.3306E-02 | 2.3672E-02 |
| 310.0 | 5.3300E-01 | 5.0939E-02 | 2.7826E-02 |
| 310.5 | 6.5200E-01 | 6.5540E-02 | 3.5879E-02 |
| 311.0 | 7.6200E-01 | 8.2922E-02 | 4.5392E-02 |
| 311.5 | 7.4400E-01 | 8.4080E-02 | 4.6156E-02 |
| 312.0 | 7.0615E-01 | 9.3376E-02 | 5.0898E-02 |
| 312.5 | 6.7600E-01 | 9.8984E-02 | 5.3766E-02 |
| 313.0 | 6.9400E-01 | 1.0733E-01 | 5.8323E-02 |
| 313.5 | 7.2400E-01 | 1.0757E-01 | 5.8999E-02 |
| 314.0 | 7.1700E-01 | 1.1969E-01 | 6.5266E-02 |
| 314.5 | 6.7600E-01 | 1.3060E-01 | 7.0476E-02 |
| 315.0 | 6.8450E-01 | 1.3625E-01 | 7.3686E-02 |
| 315.5 | 6.3200E-01 | 1.1838E-01 | 6.4833E-02 |
| 316.0 | 5.8700E-01 | 1.2348E-01 | 6.7088E-02 |
| 316.5 | 6.4900E-01 | 1.5036E-01 | 8.1118E-02 |
| 317.0 | 7.3900E-01 | 1.7158E-01 | 9.3020E-02 |
| 317.5 | 8.0189E-01 | 1.8245E-01 | 9.9712E-02 |
| 318.0 | 7.2361E-01 | 1.7594E-01 | 9.5815E-02 |
| 318.5 | 6.8000E-01 | 1.8591E-01 | 1.0005E-01 |
| 319.0 | 7.0580E-01 | 2.0470E-01 | 1.0971E-01 |
| 319.5 | 7.3318E-01 | 1.9589E-01 | 1.0693E-01 |
| 320.0 | 7.7500E-01 | 2.0527E-01 | 1.1277E-01 |
| 320.5 | 8.2600E-01 | 2.4525E-01 | 1.3305E-01 |
| 321.0 | 7.6546E-01 | 2.5024E-01 | 1.3414E-01 |
| 321.5 | 7.1900E-01 | 2.3843E-01 | 1.2817E-01 |
| 322.0 | 7.3513E-01 | 2.2203E-01 | 1.2200E-01 |
| 322.5 | 7.1152E-01 | 2.1709E-01 | 1.1970E-01 |
| 323.0 | 6.4900E-01 | 2.1226E-01 | 1.1623E-01 |
| 323.5 | 6.8138E-01 | 2.4861E-01 | 1.3393E-01 |
| 324.0 | 7.4050E-01 | 2.7537E-01 | 1.4852E-01 |
| 324.5 | 7.8800E-01 | 2.8321E-01 | 1.5467E-01 |
| 325.0 | 8.2918E-01 | 2.7894E-01 | 1.5504E-01 |
| 325.5 | 9.1377E-01 | 3.2436E-01 | 1.7936E-01 |
| 326.0 | 9.9835E-01 | 3.8120E-01 | 2.0868E-01 |
| 326.5 | 1.0166E+00 | 4.0722E-01 | 2.2162E-01 |
| 327.0 | 1.0047E+00 | 3.9806E-01 | 2.1834E-01 |
| 327.5 | 9.8679E-01 | 3.8465E-01 | 2.1285E-01 |
| 328.0 | 9.5681E-01 | 3.5116E-01 | 1.9773E-01 |
| 328.5 | 9.3400E-01 | 3.7164E-01 | 2.0675E-01 |
| 329.0 | 1.0046E+00 | 4.2235E-01 | 2.3297E-01 |
| 329.5 | 1.0958E+00 | 4.6878E-01 | 2.5864E-01 |
| 330.0 | 1.1098E+00 | 4.7139E-01 | 2.6192E-01 |

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| 330.5 | 1.0429E+00 | 4.2800E-01 | 2.4103E-01 |
| 331.0 | 9.9100E-01 | 4.0262E-01 | 2.2835E-01 |
| 331.5 | 9.9396E-01 | 4.1806E-01 | 2.3635E-01 |
| 332.0 | 9.9277E-01 | 4.3623E-01 | 2.4508E-01 |
| 332.5 | 9.8003E-01 | 4.3919E-01 | 2.4655E-01 |
| 333.0 | 9.6394E-01 | 4.2944E-01 | 2.4263E-01 |
| 333.5 | 9.3700E-01 | 4.0724E-01 | 2.3265E-01 |
| 334.0 | 9.5557E-01 | 4.1497E-01 | 2.3823E-01 |
| 334.5 | 9.8862E-01 | 4.4509E-01 | 2.5434E-01 |
| 335.0 | 1.0097E+00 | 4.6388E-01 | 2.6477E-01 |
| 335.5 | 9.7453E-01 | 4.5313E-01 | 2.5894E-01 |
| 336.0 | 8.8979E-01 | 4.1519E-01 | 2.3813E-01 |
| 336.5 | 8.2900E-01 | 3.8214E-01 | 2.2099E-01 |
| 337.0 | 8.1800E-01 | 3.7380E-01 | 2.1767E-01 |
| 337.5 | 8.7732E-01 | 4.0051E-01 | 2.3434E-01 |
| 338.0 | 9.2529E-01 | 4.3411E-01 | 2.5321E-01 |
| 338.5 | 9.5783E-01 | 4.5527E-01 | 2.6549E-01 |
| 339.0 | 9.6863E-01 | 4.6355E-01 | 2.7096E-01 |
| 339.5 | 9.8900E-01 | 4.7446E-01 | 2.7847E-01 |
| 340.0 | 1.0544E+00 | 5.0180E-01 | 2.9659E-01 |
| 340.5 | 1.0463E+00 | 5.0071E-01 | 2.9674E-01 |
| 341.0 | 9.7100E-01 | 4.7139E-01 | 2.7932E-01 |
| 341.5 | 9.5900E-01 | 4.6935E-01 | 2.7853E-01 |
| 342.0 | 9.9570E-01 | 4.8934E-01 | 2.9121E-01 |
| 342.5 | 1.0277E+00 | 5.0767E-01 | 3.0296E-01 |
| 343.0 | 1.0417E+00 | 5.1489E-01 | 3.0857E-01 |
| 343.5 | 9.8301E-01 | 4.8609E-01 | 2.9246E-01 |
| 344.0 | 8.5416E-01 | 4.1843E-01 | 2.5352E-01 |
| 344.5 | 8.1300E-01 | 4.0307E-01 | 2.4439E-01 |
| 345.0 | 9.1583E-01 | 4.5898E-01 | 2.7854E-01 |
| 345.5 | 9.7021E-01 | 4.8932E-01 | 2.9761E-01 |
| 346.0 | 9.4269E-01 | 4.7778E-01 | 2.9132E-01 |
| 346.5 | 9.5594E-01 | 4.8657E-01 | 2.9747E-01 |
| 347.0 | 9.6954E-01 | 4.9404E-01 | 3.0318E-01 |
| 347.5 | 9.3318E-01 | 4.7674E-01 | 2.9351E-01 |
| 348.0 | 9.2472E-01 | 4.7511E-01 | 2.9306E-01 |
| 348.5 | 9.3721E-01 | 4.8336E-01 | 2.9884E-01 |
| 349.0 | 8.9900E-01 | 4.6564E-01 | 2.8864E-01 |
| 349.5 | 9.1969E-01 | 4.7805E-01 | 2.9720E-01 |
| 350.0 | 1.0122E+00 | 5.2798E-01 | 3.2913E-01 |
| 350.5 | 1.0849E+00 | 5.6741E-01 | 3.5471E-01 |
| 351.0 | 1.0534E+00 | 5.5172E-01 | 3.4603E-01 |
| 351.5 | 1.0129E+00 | 5.3022E-01 | 3.3388E-01 |
| 352.0 | 9.8383E-01 | 5.1791E-01 | 3.2674E-01 |
| 352.5 | 9.2600E-01 | 4.8962E-01 | 3.0954E-01 |
| 353.0 | 9.8012E-01 | 5.2040E-01 | 3.2975E-01 |
| 353.5 | 1.0752E+00 | 5.7228E-01 | 3.6351E-01 |
| 354.0 | 1.1346E+00 | 6.0498E-01 | 3.8523E-01 |
| 354.5 | 1.1440E+00 | 6.1156E-01 | 3.9043E-01 |
| 355.0 | 1.1406E+00 | 6.1140E-01 | 3.9140E-01 |
| 355.5 | 1.0964E+00 | 5.9028E-01 | 3.7878E-01 |
| 356.0 | 1.0250E+00 | 5.5387E-01 | 3.5627E-01 |

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| 356.5 | 9.5914E-01 | 5.1942E-01 | 3.3495E-01 |
| 357.0 | 8.4200E-01 | 4.5673E-01 | 2.9527E-01 |
| 357.5 | 8.5015E-01 | 4.6215E-01 | 2.9950E-01 |
| 358.0 | 7.8916E-01 | 4.3006E-01 | 2.7936E-01 |
| 358.5 | 7.3100E-01 | 3.9926E-01 | 2.5998E-01 |
| 359.0 | 8.5805E-01 | 4.6953E-01 | 3.0650E-01 |
| 359.5 | 1.0321E+00 | 5.6549E-01 | 3.7013E-01 |
| 360.0 | 1.0890E+00 | 5.9817E-01 | 3.9240E-01 |
| 360.5 | 1.0265E+00 | 5.6531E-01 | 3.7167E-01 |
| 361.0 | 9.4150E-01 | 5.2024E-01 | 3.4278E-01 |
| 361.5 | 9.1800E-01 | 5.0956E-01 | 3.3647E-01 |
| 362.0 | 9.5800E-01 | 5.3420E-01 | 3.5350E-01 |
| 362.5 | 1.0450E+00 | 5.8510E-01 | 3.8804E-01 |
| 363.0 | 1.0710E+00 | 6.0191E-01 | 4.0005E-01 |
| 363.5 | 1.0380E+00 | 5.8541E-01 | 3.8994E-01 |
| 364.0 | 1.0716E+00 | 6.0628E-01 | 4.0472E-01 |
| 364.5 | 1.0590E+00 | 6.0058E-01 | 4.0179E-01 |
| 365.0 | 1.0970E+00 | 6.2359E-01 | 4.1810E-01 |
| 365.5 | 1.2041E+00 | 6.8628E-01 | 4.6110E-01 |
| 366.0 | 1.2860E+00 | 7.3532E-01 | 4.9508E-01 |
| 366.5 | 1.2843E+00 | 7.3658E-01 | 4.9694E-01 |
| 367.0 | 1.2577E+00 | 7.2285E-01 | 4.8869E-01 |
| 367.5 | 1.2317E+00 | 7.0914E-01 | 4.8041E-01 |
| 368.0 | 1.1570E+00 | 6.6759E-01 | 4.5319E-01 |
| 368.5 | 1.1459E+00 | 6.6310E-01 | 4.5106E-01 |
| 369.0 | 1.1944E+00 | 6.9315E-01 | 4.7244E-01 |
| 369.5 | 1.2795E+00 | 7.4469E-01 | 5.0856E-01 |
| 370.0 | 1.2934E+00 | 7.5507E-01 | 5.1666E-01 |
| 370.5 | 1.1660E+00 | 6.8261E-01 | 4.6798E-01 |
| 371.0 | 1.1811E+00 | 6.9338E-01 | 4.7628E-01 |
| 371.5 | 1.2249E+00 | 7.2051E-01 | 4.9587E-01 |
| 372.0 | 1.1444E+00 | 6.7444E-01 | 4.6506E-01 |
| 372.5 | 1.0876E+00 | 6.4253E-01 | 4.4389E-01 |
| 373.0 | 1.0445E+00 | 6.1886E-01 | 4.2833E-01 |
| 373.5 | 9.3900E-01 | 5.5786E-01 | 3.8682E-01 |
| 374.0 | 9.3442E-01 | 5.5640E-01 | 3.8651E-01 |
| 374.5 | 9.2500E-01 | 5.5227E-01 | 3.8435E-01 |
| 375.0 | 9.8500E-01 | 5.8930E-01 | 4.1087E-01 |
| 375.5 | 1.0874E+00 | 6.5162E-01 | 4.5514E-01 |
| 376.0 | 1.1240E+00 | 6.7480E-01 | 4.7218E-01 |
| 376.5 | 1.1040E+00 | 6.6390E-01 | 4.6538E-01 |
| 377.0 | 1.1813E+00 | 7.1225E-01 | 5.0014E-01 |
| 377.5 | 1.3149E+00 | 7.9455E-01 | 5.5890E-01 |
| 378.0 | 1.4144E+00 | 8.5595E-01 | 6.0314E-01 |
| 378.5 | 1.3765E+00 | 8.3418E-01 | 5.8892E-01 |
| 379.0 | 1.2260E+00 | 7.4389E-01 | 5.2616E-01 |
| 379.5 | 1.0980E+00 | 6.6683E-01 | 4.7255E-01 |
| 380.0 | 1.1520E+00 | 7.0077E-01 | 4.9751E-01 |
| 380.5 | 1.2310E+00 | 7.5075E-01 | 5.3396E-01 |
| 381.0 | 1.2490E+00 | 7.6383E-01 | 5.4424E-01 |
| 381.5 | 1.1224E+00 | 6.8837E-01 | 4.9135E-01 |
| 382.0 | 9.5426E-01 | 5.8678E-01 | 4.1958E-01 |

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| 382.5 | 8.2313E-01 | 5.0762E-01 | 3.6361E-01 |
| 383.0 | 7.3603E-01 | 4.5499E-01 | 3.2648E-01 |
| 383.5 | 7.1095E-01 | 4.4049E-01 | 3.1658E-01 |
| 384.0 | 8.2100E-01 | 5.0968E-01 | 3.6689E-01 |
| 384.5 | 9.8620E-01 | 6.1359E-01 | 4.4239E-01 |
| 385.0 | 1.0802E+00 | 6.7355E-01 | 4.8638E-01 |
| 385.5 | 1.0296E+00 | 6.4363E-01 | 4.6549E-01 |
| 386.0 | 9.9113E-01 | 6.2100E-01 | 4.4984E-01 |
| 386.5 | 1.0279E+00 | 6.4570E-01 | 4.6848E-01 |
| 387.0 | 1.0354E+00 | 6.5147E-01 | 4.7343E-01 |
| 387.5 | 1.0186E+00 | 6.4204E-01 | 4.6731E-01 |
| 388.0 | 1.0067E+00 | 6.3582E-01 | 4.6350E-01 |
| 388.5 | 9.9743E-01 | 6.3136E-01 | 4.6096E-01 |
| 389.0 | 1.0810E+00 | 6.8543E-01 | 5.0121E-01 |
| 389.5 | 1.1958E+00 | 7.5970E-01 | 5.5637E-01 |
| 390.0 | 1.2519E+00 | 7.9699E-01 | 5.8457E-01 |
| 390.5 | 1.2601E+00 | 8.0371E-01 | 5.9038E-01 |
| 391.0 | 1.3322E+00 | 8.5138E-01 | 6.2634E-01 |
| 391.5 | 1.3490E+00 | 8.6344E-01 | 6.3617E-01 |
| 392.0 | 1.2400E+00 | 7.9493E-01 | 5.8656E-01 |
| 392.5 | 1.0312E+00 | 6.6257E-01 | 4.8961E-01 |
| 393.0 | 7.4500E-01 | 4.7975E-01 | 3.5502E-01 |
| 393.5 | 5.9120E-01 | 3.8152E-01 | 2.8272E-01 |
| 394.0 | 7.6675E-01 | 4.9567E-01 | 3.6780E-01 |
| 394.5 | 1.0557E+00 | 6.8385E-01 | 5.0811E-01 |
| 395.0 | 1.2450E+00 | 8.0772E-01 | 6.0096E-01 |
| 395.5 | 1.3245E+00 | 8.6038E-01 | 6.4101E-01 |
| 396.0 | 1.1626E+00 | 7.5655E-01 | 5.6443E-01 |
| 396.5 | 8.4330E-01 | 5.5017E-01 | 4.1101E-01 |
| 397.0 | 6.5200E-01 | 4.2619E-01 | 3.1882E-01 |
| 397.5 | 9.6142E-01 | 6.2945E-01 | 4.7151E-01 |
| 398.0 | 1.3010E+00 | 8.5249E-01 | 6.3944E-01 |
| 398.5 | 1.5342E+00 | 1.0069E+00 | 7.5622E-01 |
| 399.0 | 1.6245E+00 | 1.0693E+00 | 8.0408E-01 |
| 399.5 | 1.6717E+00 | 1.1021E+00 | 8.2980E-01 |
| 400.0 | 1.6885E+00 | 1.1141E+00 | 8.3989E-01 |
| 401.0 | 1.7520E+00 | 1.1603E+00 | 8.7691E-01 |
| 402.0 | 1.8140E+00 | 1.2061E+00 | 9.1387E-01 |
| 403.0 | 1.7400E+00 | 1.1613E+00 | 8.8211E-01 |
| 404.0 | 1.7630E+00 | 1.1801E+00 | 8.9849E-01 |
| 405.0 | 1.7150E+00 | 1.1511E+00 | 8.7849E-01 |
| 406.0 | 1.6660E+00 | 1.1227E+00 | 8.5878E-01 |
| 407.0 | 1.6300E+00 | 1.1026E+00 | 8.4545E-01 |
| 408.0 | 1.6990E+00 | 1.1514E+00 | 8.8488E-01 |
| 409.0 | 1.8090E+00 | 1.2299E+00 | 9.4717E-01 |
| 410.0 | 1.5370E+00 | 1.0485E+00 | 8.0910E-01 |
| 411.0 | 1.7150E+00 | 1.1738E+00 | 9.0770E-01 |
| 412.0 | 1.8160E+00 | 1.2478E+00 | 9.6686E-01 |
| 413.0 | 1.7392E+00 | 1.1971E+00 | 9.2951E-01 |
| 414.0 | 1.7144E+00 | 1.1842E+00 | 9.2134E-01 |
| 415.0 | 1.7688E+00 | 1.2258E+00 | 9.5569E-01 |
| 416.0 | 1.8150E+00 | 1.2624E+00 | 9.8628E-01 |

|       |            |            |            |
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| 417.0 | 1.7660E+00 | 1.2312E+00 | 9.6392E-01 |
| 418.0 | 1.6850E+00 | 1.1777E+00 | 9.2392E-01 |
| 419.0 | 1.7490E+00 | 1.2258E+00 | 9.6354E-01 |
| 420.0 | 1.5990E+00 | 1.1232E+00 | 8.8467E-01 |
| 421.0 | 1.8110E+00 | 1.2757E+00 | 1.0067E+00 |
| 422.0 | 1.7820E+00 | 1.2583E+00 | 9.9499E-01 |
| 423.0 | 1.7210E+00 | 1.2184E+00 | 9.6531E-01 |
| 424.0 | 1.7080E+00 | 1.2117E+00 | 9.6182E-01 |
| 425.0 | 1.7550E+00 | 1.2488E+00 | 9.9312E-01 |
| 426.0 | 1.6990E+00 | 1.2135E+00 | 9.6667E-01 |
| 427.0 | 1.6380E+00 | 1.1724E+00 | 9.3550E-01 |
| 428.0 | 1.6510E+00 | 1.1839E+00 | 9.4625E-01 |
| 429.0 | 1.5230E+00 | 1.0963E+00 | 8.7766E-01 |
| 430.0 | 1.2120E+00 | 8.7462E-01 | 7.0134E-01 |
| 431.0 | 1.0990E+00 | 7.9394E-01 | 6.3779E-01 |
| 432.0 | 1.8220E+00 | 1.3207E+00 | 1.0628E+00 |
| 433.0 | 1.6913E+00 | 1.2288E+00 | 9.9050E-01 |
| 434.0 | 1.5600E+00 | 1.1352E+00 | 9.1653E-01 |
| 435.0 | 1.7090E+00 | 1.2452E+00 | 1.0070E+00 |
| 436.0 | 1.8680E+00 | 1.3659E+00 | 1.1061E+00 |
| 437.0 | 1.9000E+00 | 1.3943E+00 | 1.1306E+00 |
| 438.0 | 1.6630E+00 | 1.2238E+00 | 9.9368E-01 |
| 439.0 | 1.6010E+00 | 1.1775E+00 | 9.5753E-01 |
| 440.0 | 1.8300E+00 | 1.3499E+00 | 1.0993E+00 |
| 441.0 | 1.7990E+00 | 1.3313E+00 | 1.0859E+00 |
| 442.0 | 1.9220E+00 | 1.4250E+00 | 1.1640E+00 |
| 443.0 | 1.9490E+00 | 1.4453E+00 | 1.1823E+00 |
| 444.0 | 1.8941E+00 | 1.4084E+00 | 1.1537E+00 |
| 445.0 | 1.9650E+00 | 1.4619E+00 | 1.1992E+00 |
| 446.0 | 1.7557E+00 | 1.3108E+00 | 1.0766E+00 |
| 447.0 | 1.9900E+00 | 1.4903E+00 | 1.2257E+00 |
| 448.0 | 2.0140E+00 | 1.5081E+00 | 1.2422E+00 |
| 449.0 | 2.0010E+00 | 1.5045E+00 | 1.2409E+00 |
| 450.0 | 2.0690E+00 | 1.5595E+00 | 1.2881E+00 |
| 451.0 | 2.1420E+00 | 1.6173E+00 | 1.3376E+00 |
| 452.0 | 2.0470E+00 | 1.5482E+00 | 1.2822E+00 |
| 453.0 | 1.8864E+00 | 1.4297E+00 | 1.1854E+00 |
| 454.0 | 2.0180E+00 | 1.5335E+00 | 1.2730E+00 |
| 455.0 | 2.0010E+00 | 1.5224E+00 | 1.2655E+00 |
| 456.0 | 2.0630E+00 | 1.5724E+00 | 1.3088E+00 |
| 457.0 | 2.0770E+00 | 1.5854E+00 | 1.3213E+00 |
| 458.0 | 2.0320E+00 | 1.5514E+00 | 1.2946E+00 |
| 459.0 | 2.0120E+00 | 1.5391E+00 | 1.2859E+00 |
| 460.0 | 1.9973E+00 | 1.5291E+00 | 1.2791E+00 |
| 461.0 | 2.0639E+00 | 1.5827E+00 | 1.3255E+00 |
| 462.0 | 2.0780E+00 | 1.5975E+00 | 1.3392E+00 |
| 463.0 | 2.0840E+00 | 1.6031E+00 | 1.3452E+00 |
| 464.0 | 2.0150E+00 | 1.5544E+00 | 1.3055E+00 |
| 465.0 | 1.9840E+00 | 1.5350E+00 | 1.2905E+00 |
| 466.0 | 2.0210E+00 | 1.5673E+00 | 1.3190E+00 |
| 467.0 | 1.9310E+00 | 1.4973E+00 | 1.2616E+00 |
| 468.0 | 2.0120E+00 | 1.5619E+00 | 1.3178E+00 |

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| 469.0 | 2.0180E+00 | 1.5682E+00 | 1.3247E+00 |
| 470.0 | 1.9390E+00 | 1.5077E+00 | 1.2749E+00 |
| 471.0 | 1.9690E+00 | 1.5331E+00 | 1.2975E+00 |
| 472.0 | 2.0700E+00 | 1.6126E+00 | 1.3661E+00 |
| 473.0 | 1.9882E+00 | 1.5499E+00 | 1.3144E+00 |
| 474.0 | 2.0120E+00 | 1.5671E+00 | 1.3304E+00 |
| 475.0 | 2.0800E+00 | 1.6185E+00 | 1.3755E+00 |
| 476.0 | 2.0120E+00 | 1.5631E+00 | 1.3299E+00 |
| 477.0 | 2.0250E+00 | 1.5724E+00 | 1.3392E+00 |
| 478.0 | 2.0860E+00 | 1.6230E+00 | 1.3839E+00 |
| 479.0 | 2.0400E+00 | 1.5916E+00 | 1.3586E+00 |
| 480.0 | 2.0680E+00 | 1.6181E+00 | 1.3825E+00 |
| 481.0 | 2.0610E+00 | 1.6177E+00 | 1.3836E+00 |
| 482.0 | 2.0623E+00 | 1.6236E+00 | 1.3899E+00 |
| 483.0 | 2.0310E+00 | 1.6038E+00 | 1.3742E+00 |
| 484.0 | 1.9890E+00 | 1.5734E+00 | 1.3492E+00 |
| 485.0 | 1.9790E+00 | 1.5683E+00 | 1.3457E+00 |
| 486.0 | 1.6010E+00 | 1.2716E+00 | 1.0918E+00 |
| 487.0 | 1.7890E+00 | 1.4241E+00 | 1.2235E+00 |
| 488.0 | 1.9350E+00 | 1.5413E+00 | 1.3252E+00 |
| 489.0 | 1.8224E+00 | 1.4519E+00 | 1.2492E+00 |
| 490.0 | 2.0320E+00 | 1.6224E+00 | 1.3968E+00 |
| 491.0 | 1.9490E+00 | 1.5595E+00 | 1.3435E+00 |
| 492.0 | 1.8560E+00 | 1.4869E+00 | 1.2818E+00 |
| 493.0 | 1.9830E+00 | 1.5903E+00 | 1.3719E+00 |
| 494.0 | 1.9339E+00 | 1.5525E+00 | 1.3402E+00 |
| 495.0 | 2.0510E+00 | 1.6485E+00 | 1.4238E+00 |
| 496.0 | 1.9490E+00 | 1.5676E+00 | 1.3548E+00 |
| 497.0 | 1.9800E+00 | 1.5944E+00 | 1.3788E+00 |
| 498.0 | 1.9240E+00 | 1.5509E+00 | 1.3421E+00 |
| 499.0 | 1.9230E+00 | 1.5507E+00 | 1.3429E+00 |
| 500.0 | 1.9160E+00 | 1.5451E+00 | 1.3391E+00 |
| 501.0 | 1.8580E+00 | 1.4978E+00 | 1.2990E+00 |
| 502.0 | 1.8600E+00 | 1.4966E+00 | 1.2991E+00 |
| 503.0 | 1.9490E+00 | 1.5653E+00 | 1.3597E+00 |
| 504.0 | 1.8330E+00 | 1.4587E+00 | 1.2682E+00 |
| 505.0 | 1.9472E+00 | 1.5635E+00 | 1.3598E+00 |
| 506.0 | 2.0250E+00 | 1.6264E+00 | 1.4153E+00 |
| 507.0 | 1.9354E+00 | 1.5560E+00 | 1.3548E+00 |
| 508.0 | 1.8800E+00 | 1.5165E+00 | 1.3210E+00 |
| 509.0 | 1.9650E+00 | 1.5893E+00 | 1.3850E+00 |
| 510.0 | 1.9100E+00 | 1.5481E+00 | 1.3497E+00 |
| 511.0 | 1.9410E+00 | 1.5769E+00 | 1.3753E+00 |
| 512.0 | 1.9890E+00 | 1.6186E+00 | 1.4125E+00 |
| 513.0 | 1.8660E+00 | 1.5206E+00 | 1.3277E+00 |
| 514.0 | 1.8240E+00 | 1.4885E+00 | 1.3003E+00 |
| 515.0 | 1.8750E+00 | 1.5314E+00 | 1.3385E+00 |
| 516.0 | 1.8910E+00 | 1.5455E+00 | 1.3514E+00 |
| 517.0 | 1.5390E+00 | 1.2594E+00 | 1.1017E+00 |
| 518.0 | 1.7590E+00 | 1.4403E+00 | 1.2605E+00 |
| 519.0 | 1.7040E+00 | 1.3957E+00 | 1.2222E+00 |
| 520.0 | 1.8600E+00 | 1.5236E+00 | 1.3349E+00 |

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|-------|------------|------------|------------|
| 521.0 | 1.8730E+00 | 1.5346E+00 | 1.3452E+00 |
| 522.0 | 1.9150E+00 | 1.5690E+00 | 1.3760E+00 |
| 523.0 | 1.8040E+00 | 1.4789E+00 | 1.2976E+00 |
| 524.0 | 1.9410E+00 | 1.5905E+00 | 1.3962E+00 |
| 525.0 | 1.9280E+00 | 1.5781E+00 | 1.3859E+00 |
| 526.0 | 1.8740E+00 | 1.5341E+00 | 1.3479E+00 |
| 527.0 | 1.6410E+00 | 1.3417E+00 | 1.1795E+00 |
| 528.0 | 1.8800E+00 | 1.5357E+00 | 1.3508E+00 |
| 529.0 | 1.9690E+00 | 1.6071E+00 | 1.4142E+00 |
| 530.0 | 1.8920E+00 | 1.5446E+00 | 1.3598E+00 |
| 531.0 | 1.9950E+00 | 1.6292E+00 | 1.4348E+00 |
| 532.0 | 1.9580E+00 | 1.5998E+00 | 1.4094E+00 |
| 533.0 | 1.7470E+00 | 1.4286E+00 | 1.2590E+00 |
| 534.0 | 1.8690E+00 | 1.5302E+00 | 1.3491E+00 |
| 535.0 | 1.8950E+00 | 1.5535E+00 | 1.3701E+00 |
| 536.0 | 1.9740E+00 | 1.6199E+00 | 1.4292E+00 |
| 537.0 | 1.8240E+00 | 1.4989E+00 | 1.3229E+00 |
| 538.0 | 1.9130E+00 | 1.5738E+00 | 1.3896E+00 |
| 539.0 | 1.8640E+00 | 1.5352E+00 | 1.3558E+00 |
| 540.0 | 1.8000E+00 | 1.4825E+00 | 1.3096E+00 |
| 541.0 | 1.7340E+00 | 1.4251E+00 | 1.2595E+00 |
| 542.0 | 1.8880E+00 | 1.5511E+00 | 1.3714E+00 |
| 543.0 | 1.8510E+00 | 1.5256E+00 | 1.3493E+00 |
| 544.0 | 1.9190E+00 | 1.5792E+00 | 1.3971E+00 |
| 545.0 | 1.8740E+00 | 1.5435E+00 | 1.3657E+00 |
| 546.0 | 1.8609E+00 | 1.5291E+00 | 1.3536E+00 |
| 547.0 | 1.8820E+00 | 1.5490E+00 | 1.3717E+00 |
| 548.0 | 1.8260E+00 | 1.5049E+00 | 1.3331E+00 |
| 549.0 | 1.8800E+00 | 1.5520E+00 | 1.3752E+00 |
| 550.0 | 1.8630E+00 | 1.5399E+00 | 1.3648E+00 |
| 551.0 | 1.8590E+00 | 1.5382E+00 | 1.3639E+00 |
| 552.0 | 1.8960E+00 | 1.5697E+00 | 1.3923E+00 |
| 553.0 | 1.8420E+00 | 1.5250E+00 | 1.3533E+00 |
| 554.0 | 1.8780E+00 | 1.5549E+00 | 1.3802E+00 |
| 555.0 | 1.8890E+00 | 1.5634E+00 | 1.3883E+00 |
| 556.0 | 1.8570E+00 | 1.5366E+00 | 1.3651E+00 |
| 557.0 | 1.8120E+00 | 1.4988E+00 | 1.3321E+00 |
| 558.0 | 1.8530E+00 | 1.5310E+00 | 1.3613E+00 |
| 559.0 | 1.7550E+00 | 1.4483E+00 | 1.2885E+00 |
| 560.0 | 1.7860E+00 | 1.4740E+00 | 1.3118E+00 |
| 561.0 | 1.8900E+00 | 1.5595E+00 | 1.3885E+00 |
| 562.0 | 1.8010E+00 | 1.4847E+00 | 1.3225E+00 |
| 563.0 | 1.8710E+00 | 1.5408E+00 | 1.3731E+00 |
| 564.0 | 1.8360E+00 | 1.5106E+00 | 1.3466E+00 |
| 565.0 | 1.8490E+00 | 1.5201E+00 | 1.3555E+00 |
| 566.0 | 1.7500E+00 | 1.4374E+00 | 1.2823E+00 |
| 567.0 | 1.8680E+00 | 1.5320E+00 | 1.3673E+00 |
| 568.0 | 1.8590E+00 | 1.5180E+00 | 1.3554E+00 |
| 569.0 | 1.8310E+00 | 1.4807E+00 | 1.3228E+00 |
| 570.0 | 1.8280E+00 | 1.4816E+00 | 1.3240E+00 |
| 571.0 | 1.7620E+00 | 1.4331E+00 | 1.2810E+00 |
| 572.0 | 1.8720E+00 | 1.5134E+00 | 1.3534E+00 |

|       |            |            |            |
|-------|------------|------------|------------|
| 573.0 | 1.8810E+00 | 1.5198E+00 | 1.3595E+00 |
| 574.0 | 1.8730E+00 | 1.5119E+00 | 1.3527E+00 |
| 575.0 | 1.8340E+00 | 1.4777E+00 | 1.3225E+00 |
| 576.0 | 1.8180E+00 | 1.4654E+00 | 1.3118E+00 |
| 577.0 | 1.8620E+00 | 1.5023E+00 | 1.3452E+00 |
| 578.0 | 1.7990E+00 | 1.4560E+00 | 1.3040E+00 |
| 579.0 | 1.8160E+00 | 1.4770E+00 | 1.3230E+00 |
| 580.0 | 1.8340E+00 | 1.5020E+00 | 1.3455E+00 |
| 581.0 | 1.8330E+00 | 1.5089E+00 | 1.3518E+00 |
| 582.0 | 1.8520E+00 | 1.5320E+00 | 1.3729E+00 |
| 583.0 | 1.8630E+00 | 1.5479E+00 | 1.3872E+00 |
| 584.0 | 1.8540E+00 | 1.5448E+00 | 1.3845E+00 |
| 585.0 | 1.8360E+00 | 1.5324E+00 | 1.3737E+00 |
| 586.0 | 1.7920E+00 | 1.4953E+00 | 1.3409E+00 |
| 587.0 | 1.8380E+00 | 1.5281E+00 | 1.3708E+00 |
| 588.0 | 1.8210E+00 | 1.4934E+00 | 1.3403E+00 |
| 589.0 | 1.6240E+00 | 1.2894E+00 | 1.1582E+00 |
| 590.0 | 1.7218E+00 | 1.3709E+00 | 1.2316E+00 |
| 591.0 | 1.8090E+00 | 1.4662E+00 | 1.3171E+00 |
| 592.0 | 1.7880E+00 | 1.4354E+00 | 1.2900E+00 |
| 593.0 | 1.7920E+00 | 1.4561E+00 | 1.3086E+00 |
| 594.0 | 1.7890E+00 | 1.4491E+00 | 1.3029E+00 |
| 595.0 | 1.7780E+00 | 1.4308E+00 | 1.2870E+00 |
| 596.0 | 1.7960E+00 | 1.4745E+00 | 1.3260E+00 |
| 597.0 | 1.8060E+00 | 1.4788E+00 | 1.3303E+00 |
| 598.0 | 1.7720E+00 | 1.4607E+00 | 1.3142E+00 |
| 599.0 | 1.7640E+00 | 1.4606E+00 | 1.3145E+00 |
| 600.0 | 1.7700E+00 | 1.4753E+00 | 1.3278E+00 |
| 601.0 | 1.7420E+00 | 1.4579E+00 | 1.3123E+00 |
| 602.0 | 1.7150E+00 | 1.4360E+00 | 1.2928E+00 |
| 603.0 | 1.7490E+00 | 1.4664E+00 | 1.3205E+00 |
| 604.0 | 1.7790E+00 | 1.4921E+00 | 1.3439E+00 |
| 605.0 | 1.7730E+00 | 1.4895E+00 | 1.3418E+00 |
| 606.0 | 1.7580E+00 | 1.4822E+00 | 1.3353E+00 |
| 607.0 | 1.7620E+00 | 1.4911E+00 | 1.3434E+00 |
| 608.0 | 1.7510E+00 | 1.4862E+00 | 1.3392E+00 |
| 609.0 | 1.7340E+00 | 1.4749E+00 | 1.3292E+00 |
| 610.0 | 1.7240E+00 | 1.4686E+00 | 1.3237E+00 |
| 611.0 | 1.7120E+00 | 1.4611E+00 | 1.3170E+00 |
| 612.0 | 1.7360E+00 | 1.4831E+00 | 1.3370E+00 |
| 613.0 | 1.7100E+00 | 1.4621E+00 | 1.3182E+00 |
| 614.0 | 1.6550E+00 | 1.4176E+00 | 1.2783E+00 |
| 615.0 | 1.7120E+00 | 1.4697E+00 | 1.3254E+00 |
| 616.0 | 1.6640E+00 | 1.4310E+00 | 1.2906E+00 |
| 617.0 | 1.6410E+00 | 1.4128E+00 | 1.2744E+00 |
| 618.0 | 1.7020E+00 | 1.4664E+00 | 1.3228E+00 |
| 619.0 | 1.7090E+00 | 1.4733E+00 | 1.3292E+00 |
| 620.0 | 1.7110E+00 | 1.4739E+00 | 1.3299E+00 |
| 621.0 | 1.7240E+00 | 1.4802E+00 | 1.3359E+00 |
| 622.0 | 1.6784E+00 | 1.4269E+00 | 1.2882E+00 |
| 623.0 | 1.6820E+00 | 1.4165E+00 | 1.2793E+00 |
| 624.0 | 1.6670E+00 | 1.4118E+00 | 1.2751E+00 |

|       |            |            |            |
|-------|------------|------------|------------|
| 625.0 | 1.6440E+00 | 1.4026E+00 | 1.2667E+00 |
| 626.0 | 1.6400E+00 | 1.4012E+00 | 1.2655E+00 |
| 627.0 | 1.6930E+00 | 1.4417E+00 | 1.3022E+00 |
| 628.0 | 1.6930E+00 | 1.3631E+00 | 1.2328E+00 |
| 629.0 | 1.6870E+00 | 1.4114E+00 | 1.2758E+00 |
| 630.0 | 1.6650E+00 | 1.3924E+00 | 1.2589E+00 |
| 631.0 | 1.6590E+00 | 1.4161E+00 | 1.2799E+00 |
| 632.0 | 1.5901E+00 | 1.3638E+00 | 1.2327E+00 |
| 633.0 | 1.6740E+00 | 1.4508E+00 | 1.3110E+00 |
| 634.0 | 1.6370E+00 | 1.4284E+00 | 1.2907E+00 |
| 635.0 | 1.6520E+00 | 1.4458E+00 | 1.3065E+00 |
| 636.0 | 1.6093E+00 | 1.4128E+00 | 1.2768E+00 |
| 637.0 | 1.6610E+00 | 1.4610E+00 | 1.3204E+00 |
| 638.0 | 1.6650E+00 | 1.4707E+00 | 1.3292E+00 |
| 639.0 | 1.6530E+00 | 1.4646E+00 | 1.3238E+00 |
| 640.0 | 1.6130E+00 | 1.4340E+00 | 1.2962E+00 |
| 641.0 | 1.6100E+00 | 1.4348E+00 | 1.2970E+00 |
| 642.0 | 1.6090E+00 | 1.4376E+00 | 1.2995E+00 |
| 643.0 | 1.6250E+00 | 1.4525E+00 | 1.3130E+00 |
| 644.0 | 1.6140E+00 | 1.4462E+00 | 1.3074E+00 |
| 645.0 | 1.6270E+00 | 1.4567E+00 | 1.3170E+00 |
| 646.0 | 1.5910E+00 | 1.4150E+00 | 1.2797E+00 |
| 647.0 | 1.6060E+00 | 1.4086E+00 | 1.2744E+00 |
| 648.0 | 1.6020E+00 | 1.3952E+00 | 1.2625E+00 |
| 649.0 | 1.5510E+00 | 1.3519E+00 | 1.2234E+00 |
| 650.0 | 1.5260E+00 | 1.3594E+00 | 1.2299E+00 |
| 651.0 | 1.6130E+00 | 1.4447E+00 | 1.3071E+00 |
| 652.0 | 1.5910E+00 | 1.3871E+00 | 1.2558E+00 |
| 653.0 | 1.5980E+00 | 1.4311E+00 | 1.2950E+00 |
| 654.0 | 1.5750E+00 | 1.4153E+00 | 1.2807E+00 |
| 655.0 | 1.5230E+00 | 1.3499E+00 | 1.2220E+00 |
| 656.0 | 1.3233E+00 | 1.1851E+00 | 1.0727E+00 |
| 657.0 | 1.3840E+00 | 1.2393E+00 | 1.1218E+00 |
| 658.0 | 1.5390E+00 | 1.3855E+00 | 1.2540E+00 |
| 659.0 | 1.5420E+00 | 1.3905E+00 | 1.2586E+00 |
| 660.0 | 1.5580E+00 | 1.3992E+00 | 1.2668E+00 |
| 661.0 | 1.5660E+00 | 1.3933E+00 | 1.2618E+00 |
| 662.0 | 1.5710E+00 | 1.3819E+00 | 1.2518E+00 |
| 663.0 | 1.5630E+00 | 1.3844E+00 | 1.2539E+00 |
| 664.0 | 1.5540E+00 | 1.3967E+00 | 1.2647E+00 |
| 665.0 | 1.5670E+00 | 1.4214E+00 | 1.2871E+00 |
| 666.0 | 1.5550E+00 | 1.4203E+00 | 1.2860E+00 |
| 667.0 | 1.5354E+00 | 1.4102E+00 | 1.2767E+00 |
| 668.0 | 1.5348E+00 | 1.4150E+00 | 1.2810E+00 |
| 669.0 | 1.5580E+00 | 1.4394E+00 | 1.3032E+00 |
| 670.0 | 1.5340E+00 | 1.4196E+00 | 1.2853E+00 |
| 671.0 | 1.5290E+00 | 1.4169E+00 | 1.2829E+00 |
| 672.0 | 1.5060E+00 | 1.3972E+00 | 1.2651E+00 |
| 673.0 | 1.5170E+00 | 1.4094E+00 | 1.2760E+00 |
| 674.0 | 1.5130E+00 | 1.4074E+00 | 1.2742E+00 |
| 675.0 | 1.4990E+00 | 1.3958E+00 | 1.2639E+00 |
| 676.0 | 1.5150E+00 | 1.4120E+00 | 1.2786E+00 |

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| 677.0 | 1.5000E+00 | 1.3991E+00 | 1.2669E+00 |
| 678.0 | 1.5070E+00 | 1.4066E+00 | 1.2737E+00 |
| 679.0 | 1.4930E+00 | 1.3947E+00 | 1.2629E+00 |
| 680.0 | 1.4940E+00 | 1.3969E+00 | 1.2650E+00 |
| 681.0 | 1.4870E+00 | 1.3915E+00 | 1.2601E+00 |
| 682.0 | 1.4930E+00 | 1.3981E+00 | 1.2662E+00 |
| 683.0 | 1.4760E+00 | 1.3830E+00 | 1.2526E+00 |
| 684.0 | 1.4660E+00 | 1.3739E+00 | 1.2445E+00 |
| 685.0 | 1.4650E+00 | 1.3748E+00 | 1.2454E+00 |
| 686.0 | 1.4330E+00 | 1.3438E+00 | 1.2174E+00 |
| 687.0 | 1.4720E+00 | 9.6824E-01 | 8.8285E-01 |
| 688.0 | 1.4760E+00 | 1.1206E+00 | 1.0195E+00 |
| 689.0 | 1.4780E+00 | 1.1278E+00 | 1.0260E+00 |
| 690.0 | 1.4790E+00 | 1.1821E+00 | 1.0746E+00 |
| 691.0 | 1.4680E+00 | 1.2333E+00 | 1.1201E+00 |
| 692.0 | 1.4540E+00 | 1.2689E+00 | 1.1516E+00 |
| 693.0 | 1.4580E+00 | 1.2609E+00 | 1.1446E+00 |
| 694.0 | 1.4570E+00 | 1.2464E+00 | 1.1318E+00 |
| 695.0 | 1.4350E+00 | 1.2714E+00 | 1.1538E+00 |
| 696.0 | 1.4420E+00 | 1.2684E+00 | 1.1513E+00 |
| 697.0 | 1.4380E+00 | 1.3403E+00 | 1.2151E+00 |
| 698.0 | 1.4170E+00 | 1.3192E+00 | 1.1961E+00 |
| 699.0 | 1.4340E+00 | 1.2918E+00 | 1.1721E+00 |
| 700.0 | 1.4220E+00 | 1.2823E+00 | 1.1636E+00 |
| 701.0 | 1.4131E+00 | 1.2659E+00 | 1.1489E+00 |
| 702.0 | 1.3987E+00 | 1.2674E+00 | 1.1500E+00 |
| 703.0 | 1.4095E+00 | 1.2747E+00 | 1.1567E+00 |
| 704.0 | 1.4187E+00 | 1.3078E+00 | 1.1864E+00 |
| 705.0 | 1.4330E+00 | 1.3214E+00 | 1.1989E+00 |
| 706.0 | 1.4138E+00 | 1.3144E+00 | 1.1925E+00 |
| 707.0 | 1.4040E+00 | 1.3090E+00 | 1.1875E+00 |
| 708.0 | 1.3990E+00 | 1.3048E+00 | 1.1839E+00 |
| 709.0 | 1.3900E+00 | 1.3095E+00 | 1.1880E+00 |
| 710.0 | 1.4040E+00 | 1.3175E+00 | 1.1954E+00 |
| 711.0 | 1.3970E+00 | 1.3155E+00 | 1.1934E+00 |
| 712.0 | 1.3818E+00 | 1.3071E+00 | 1.1856E+00 |
| 713.0 | 1.3702E+00 | 1.2918E+00 | 1.1719E+00 |
| 714.0 | 1.3819E+00 | 1.3029E+00 | 1.1823E+00 |
| 715.0 | 1.3502E+00 | 1.2587E+00 | 1.1428E+00 |
| 716.0 | 1.3694E+00 | 1.2716E+00 | 1.1548E+00 |
| 717.0 | 1.3650E+00 | 1.1071E+00 | 1.0081E+00 |
| 718.0 | 1.3570E+00 | 1.0296E+00 | 9.3873E-01 |
| 719.0 | 1.3010E+00 | 9.2318E-01 | 8.4274E-01 |
| 720.0 | 1.3487E+00 | 9.8550E-01 | 8.9940E-01 |
| 721.0 | 1.3480E+00 | 1.0861E+00 | 9.8967E-01 |
| 722.0 | 1.3600E+00 | 1.2407E+00 | 1.1281E+00 |
| 723.0 | 1.3510E+00 | 1.1444E+00 | 1.0423E+00 |
| 724.0 | 1.3607E+00 | 1.0555E+00 | 9.6305E-01 |
| 725.0 | 1.3465E+00 | 1.0380E+00 | 9.4741E-01 |
| 726.0 | 1.3429E+00 | 1.0813E+00 | 9.8638E-01 |
| 727.0 | 1.3444E+00 | 1.0850E+00 | 9.8988E-01 |
| 728.0 | 1.3370E+00 | 1.0400E+00 | 9.4968E-01 |

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| 729.0 | 1.2796E+00 | 1.0466E+00 | 9.5503E-01 |
| 730.0 | 1.3357E+00 | 1.1285E+00 | 1.0294E+00 |
| 731.0 | 1.3104E+00 | 1.0703E+00 | 9.7702E-01 |
| 732.0 | 1.3333E+00 | 1.1534E+00 | 1.0520E+00 |
| 733.0 | 1.3108E+00 | 1.1962E+00 | 1.0901E+00 |
| 734.0 | 1.3390E+00 | 1.2357E+00 | 1.1261E+00 |
| 735.0 | 1.3271E+00 | 1.2178E+00 | 1.1101E+00 |
| 736.0 | 1.3100E+00 | 1.2059E+00 | 1.0994E+00 |
| 737.0 | 1.3120E+00 | 1.2039E+00 | 1.0978E+00 |
| 738.0 | 1.3000E+00 | 1.2269E+00 | 1.1184E+00 |
| 739.0 | 1.2646E+00 | 1.1905E+00 | 1.0855E+00 |
| 740.0 | 1.2830E+00 | 1.2195E+00 | 1.1119E+00 |
| 741.0 | 1.2707E+00 | 1.2148E+00 | 1.1078E+00 |
| 742.0 | 1.2649E+00 | 1.2153E+00 | 1.1084E+00 |
| 743.0 | 1.2892E+00 | 1.2405E+00 | 1.1316E+00 |
| 744.0 | 1.2955E+00 | 1.2503E+00 | 1.1408E+00 |
| 745.0 | 1.2920E+00 | 1.2497E+00 | 1.1404E+00 |
| 746.0 | 1.2892E+00 | 1.2470E+00 | 1.1381E+00 |
| 747.0 | 1.2890E+00 | 1.2477E+00 | 1.1389E+00 |
| 748.0 | 1.2808E+00 | 1.2401E+00 | 1.1323E+00 |
| 749.0 | 1.2760E+00 | 1.2357E+00 | 1.1286E+00 |
| 750.0 | 1.2740E+00 | 1.2341E+00 | 1.1273E+00 |
| 751.0 | 1.2680E+00 | 1.2286E+00 | 1.1224E+00 |
| 752.0 | 1.2720E+00 | 1.2330E+00 | 1.1265E+00 |
| 753.0 | 1.2650E+00 | 1.2266E+00 | 1.1210E+00 |
| 754.0 | 1.2809E+00 | 1.2420E+00 | 1.1353E+00 |
| 755.0 | 1.2771E+00 | 1.2383E+00 | 1.1321E+00 |
| 756.0 | 1.2610E+00 | 1.2232E+00 | 1.1185E+00 |
| 757.0 | 1.2598E+00 | 1.2221E+00 | 1.1176E+00 |
| 758.0 | 1.2680E+00 | 1.2295E+00 | 1.1246E+00 |
| 759.0 | 1.2500E+00 | 1.1945E+00 | 1.0932E+00 |
| 760.0 | 1.2590E+00 | 2.6604E-01 | 2.4716E-01 |
| 761.0 | 1.2487E+00 | 1.5396E-01 | 1.4328E-01 |
| 762.0 | 1.2460E+00 | 6.8766E-01 | 6.3491E-01 |
| 763.0 | 1.2543E+00 | 3.7952E-01 | 3.5217E-01 |
| 764.0 | 1.2566E+00 | 5.3878E-01 | 4.9885E-01 |
| 765.0 | 1.2452E+00 | 6.8601E-01 | 6.3377E-01 |
| 766.0 | 1.2000E+00 | 8.1461E-01 | 7.5080E-01 |
| 767.0 | 1.2120E+00 | 9.7417E-01 | 8.9574E-01 |
| 768.0 | 1.2310E+00 | 1.1138E+00 | 1.0222E+00 |
| 769.0 | 1.2142E+00 | 1.1278E+00 | 1.0347E+00 |
| 770.0 | 1.2146E+00 | 1.1608E+00 | 1.0646E+00 |
| 771.0 | 1.2073E+00 | 1.1686E+00 | 1.0716E+00 |
| 772.0 | 1.2120E+00 | 1.1778E+00 | 1.0802E+00 |
| 773.0 | 1.2100E+00 | 1.1771E+00 | 1.0797E+00 |
| 774.0 | 1.2090E+00 | 1.1771E+00 | 1.0800E+00 |
| 775.0 | 1.2080E+00 | 1.1771E+00 | 1.0801E+00 |
| 776.0 | 1.2102E+00 | 1.1798E+00 | 1.0827E+00 |
| 777.0 | 1.2028E+00 | 1.1727E+00 | 1.0764E+00 |
| 778.0 | 1.2014E+00 | 1.1713E+00 | 1.0754E+00 |
| 779.0 | 1.2067E+00 | 1.1765E+00 | 1.0803E+00 |
| 780.0 | 1.1930E+00 | 1.1636E+00 | 1.0687E+00 |

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| 781.0 | 1.1898E+00 | 1.1607E+00 | 1.0662E+00 |
| 782.0 | 1.1950E+00 | 1.1662E+00 | 1.0714E+00 |
| 783.0 | 1.1896E+00 | 1.1614E+00 | 1.0672E+00 |
| 784.0 | 1.1810E+00 | 1.1536E+00 | 1.0602E+00 |
| 785.0 | 1.1874E+00 | 1.1586E+00 | 1.0649E+00 |
| 786.0 | 1.1890E+00 | 1.1592E+00 | 1.0656E+00 |
| 787.0 | 1.1877E+00 | 1.1450E+00 | 1.0530E+00 |
| 788.0 | 1.1800E+00 | 1.1305E+00 | 1.0399E+00 |
| 789.0 | 1.1812E+00 | 1.1257E+00 | 1.0359E+00 |
| 790.0 | 1.1704E+00 | 1.0910E+00 | 1.0045E+00 |
| 791.0 | 1.1632E+00 | 1.1058E+00 | 1.0179E+00 |
| 792.0 | 1.1500E+00 | 1.0953E+00 | 1.0084E+00 |
| 793.0 | 1.1449E+00 | 1.0875E+00 | 1.0015E+00 |
| 794.0 | 1.1260E+00 | 1.0972E+00 | 1.0101E+00 |
| 795.0 | 1.1280E+00 | 1.0932E+00 | 1.0066E+00 |
| 796.0 | 1.1427E+00 | 1.0742E+00 | 9.8985E-01 |
| 797.0 | 1.1580E+00 | 1.0913E+00 | 1.0057E+00 |
| 798.0 | 1.1501E+00 | 1.1121E+00 | 1.0245E+00 |
| 799.0 | 1.1350E+00 | 1.0905E+00 | 1.0048E+00 |
| 800.0 | 1.1248E+00 | 1.0725E+00 | 9.8859E-01 |
| 801.0 | 1.1427E+00 | 1.0843E+00 | 9.9978E-01 |
| 802.0 | 1.1422E+00 | 1.0856E+00 | 1.0011E+00 |
| 803.0 | 1.1241E+00 | 1.0657E+00 | 9.8288E-01 |
| 804.0 | 1.1342E+00 | 1.0782E+00 | 9.9452E-01 |
| 805.0 | 1.1001E+00 | 1.0545E+00 | 9.7270E-01 |
| 806.0 | 1.1309E+00 | 1.0974E+00 | 1.0122E+00 |
| 807.0 | 1.1230E+00 | 1.0859E+00 | 1.0018E+00 |
| 808.0 | 1.1162E+00 | 1.0821E+00 | 9.9844E-01 |
| 809.0 | 1.0980E+00 | 1.0548E+00 | 9.7353E-01 |
| 810.0 | 1.1100E+00 | 1.0559E+00 | 9.7488E-01 |
| 811.0 | 1.1143E+00 | 1.0533E+00 | 9.7273E-01 |
| 812.0 | 1.1160E+00 | 1.0268E+00 | 9.4882E-01 |
| 813.0 | 1.1180E+00 | 1.0086E+00 | 9.3236E-01 |
| 814.0 | 1.1174E+00 | 9.0356E-01 | 8.3681E-01 |
| 815.0 | 1.1091E+00 | 8.9523E-01 | 8.2927E-01 |
| 816.0 | 1.1050E+00 | 8.3216E-01 | 7.7171E-01 |
| 817.0 | 1.1083E+00 | 8.5183E-01 | 7.8984E-01 |
| 818.0 | 1.0861E+00 | 8.2259E-01 | 7.6299E-01 |
| 819.0 | 1.0738E+00 | 9.0519E-01 | 8.3844E-01 |
| 820.0 | 1.0740E+00 | 8.6188E-01 | 7.9899E-01 |
| 821.0 | 1.0760E+00 | 9.9764E-01 | 9.2292E-01 |
| 822.0 | 1.0560E+00 | 9.5157E-01 | 8.8081E-01 |
| 823.0 | 1.0760E+00 | 6.7271E-01 | 6.2576E-01 |
| 824.0 | 1.0715E+00 | 9.3506E-01 | 8.6619E-01 |
| 825.0 | 1.0699E+00 | 9.6935E-01 | 8.9752E-01 |
| 826.0 | 1.0759E+00 | 9.3381E-01 | 8.6530E-01 |
| 827.0 | 1.0762E+00 | 9.8465E-01 | 9.1178E-01 |
| 828.0 | 1.0749E+00 | 8.4979E-01 | 7.8870E-01 |
| 829.0 | 1.0620E+00 | 9.2930E-01 | 8.6135E-01 |
| 830.0 | 1.0563E+00 | 9.1601E-01 | 8.4930E-01 |
| 831.0 | 1.0560E+00 | 9.2392E-01 | 8.5666E-01 |
| 832.0 | 1.0550E+00 | 8.9426E-01 | 8.2961E-01 |

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| 833.0 | 1.0327E+00 | 9.5650E-01 | 8.8622E-01 |
| 834.0 | 1.0459E+00 | 9.3412E-01 | 8.6608E-01 |
| 835.0 | 1.0476E+00 | 1.0032E+00 | 9.2917E-01 |
| 836.0 | 1.0597E+00 | 9.7234E-01 | 9.0135E-01 |
| 837.0 | 1.0511E+00 | 1.0092E+00 | 9.3493E-01 |
| 838.0 | 1.0549E+00 | 9.9901E-01 | 9.2585E-01 |
| 839.0 | 1.0400E+00 | 1.0013E+00 | 9.2783E-01 |
| 840.0 | 1.0500E+00 | 1.0157E+00 | 9.4124E-01 |
| 841.0 | 1.0520E+00 | 1.0101E+00 | 9.3626E-01 |
| 842.0 | 1.0287E+00 | 9.9703E-01 | 9.2411E-01 |
| 843.0 | 1.0271E+00 | 1.0053E+00 | 9.3171E-01 |
| 844.0 | 1.0140E+00 | 9.8631E-01 | 9.1434E-01 |
| 845.0 | 1.0360E+00 | 1.0165E+00 | 9.4226E-01 |
| 846.0 | 1.0370E+00 | 1.0187E+00 | 9.4447E-01 |
| 847.0 | 1.0060E+00 | 9.9170E-01 | 9.1947E-01 |
| 848.0 | 1.0110E+00 | 9.9217E-01 | 9.2010E-01 |
| 849.0 | 1.0050E+00 | 9.8596E-01 | 9.1447E-01 |
| 850.0 | 9.1000E-01 | 8.9372E-01 | 8.2900E-01 |
| 851.0 | 9.9800E-01 | 9.7493E-01 | 9.0454E-01 |
| 852.0 | 9.9000E-01 | 9.6927E-01 | 8.9942E-01 |
| 853.0 | 9.8100E-01 | 9.6486E-01 | 8.9540E-01 |
| 854.0 | 8.6900E-01 | 8.5112E-01 | 7.9000E-01 |
| 855.0 | 9.2700E-01 | 9.1300E-01 | 8.4746E-01 |
| 856.0 | 9.9017E-01 | 9.7317E-01 | 9.0343E-01 |
| 857.0 | 1.0056E+00 | 9.9166E-01 | 9.2059E-01 |
| 858.0 | 1.0070E+00 | 9.9196E-01 | 9.2094E-01 |
| 859.0 | 1.0050E+00 | 9.9171E-01 | 9.2081E-01 |
| 860.0 | 1.0000E+00 | 9.8816E-01 | 9.1764E-01 |
| 861.0 | 9.9900E-01 | 9.8679E-01 | 9.1648E-01 |
| 862.0 | 1.0060E+00 | 9.9449E-01 | 9.2367E-01 |
| 863.0 | 1.0120E+00 | 1.0005E+00 | 9.2934E-01 |
| 864.0 | 9.9006E-01 | 9.7916E-01 | 9.0956E-01 |
| 865.0 | 9.7354E-01 | 9.6324E-01 | 8.9487E-01 |
| 866.0 | 8.5800E-01 | 8.4900E-01 | 7.8882E-01 |
| 867.0 | 9.2500E-01 | 9.1546E-01 | 8.5066E-01 |
| 868.0 | 9.6900E-01 | 9.5920E-01 | 8.9140E-01 |
| 869.0 | 9.5900E-01 | 9.4956E-01 | 8.8252E-01 |
| 870.0 | 9.7700E-01 | 9.6755E-01 | 8.9933E-01 |
| 871.0 | 9.6317E-01 | 9.5387E-01 | 8.8671E-01 |
| 872.0 | 9.7600E-01 | 9.6686E-01 | 8.9887E-01 |
| 873.0 | 9.6614E-01 | 9.5721E-01 | 8.8999E-01 |
| 874.0 | 9.4913E-01 | 9.4042E-01 | 8.7451E-01 |
| 875.0 | 9.3562E-01 | 9.2687E-01 | 8.6204E-01 |
| 876.0 | 9.6200E-01 | 9.5277E-01 | 8.8625E-01 |
| 877.0 | 9.6500E-01 | 9.5615E-01 | 8.8948E-01 |
| 878.0 | 9.6200E-01 | 9.5237E-01 | 8.8607E-01 |
| 879.0 | 9.4571E-01 | 9.3656E-01 | 8.7144E-01 |
| 880.0 | 9.4856E-01 | 9.3957E-01 | 8.7434E-01 |
| 881.0 | 9.1963E-01 | 9.0861E-01 | 8.4563E-01 |
| 882.0 | 9.4408E-01 | 9.3245E-01 | 8.6787E-01 |
| 883.0 | 9.3930E-01 | 9.2927E-01 | 8.6494E-01 |
| 884.0 | 9.4352E-01 | 9.3305E-01 | 8.6859E-01 |

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| 885.0 | 9.5469E-01 | 9.4423E-01 | 8.7913E-01 |
| 886.0 | 9.2558E-01 | 9.0752E-01 | 8.4515E-01 |
| 887.0 | 9.2300E-01 | 9.1062E-01 | 8.4799E-01 |
| 888.0 | 9.4066E-01 | 9.2228E-01 | 8.5899E-01 |
| 889.0 | 9.4367E-01 | 9.3455E-01 | 8.7041E-01 |
| 890.0 | 9.4236E-01 | 9.2393E-01 | 8.6078E-01 |
| 891.0 | 9.3928E-01 | 9.2584E-01 | 8.6255E-01 |
| 892.0 | 9.3259E-01 | 9.0881E-01 | 8.4688E-01 |
| 893.0 | 9.1800E-01 | 8.7327E-01 | 8.1412E-01 |
| 894.0 | 9.2400E-01 | 8.5130E-01 | 7.9413E-01 |
| 895.0 | 9.2600E-01 | 8.1357E-01 | 7.5956E-01 |
| 896.0 | 9.3425E-01 | 7.6253E-01 | 7.1265E-01 |
| 897.0 | 9.2686E-01 | 6.6566E-01 | 6.2310E-01 |
| 898.0 | 9.2378E-01 | 7.1780E-01 | 6.7137E-01 |
| 899.0 | 9.1396E-01 | 5.4871E-01 | 5.1461E-01 |
| 900.0 | 9.1378E-01 | 7.4260E-01 | 6.9429E-01 |
| 901.0 | 8.9834E-01 | 5.9933E-01 | 5.6162E-01 |
| 902.0 | 8.7720E-01 | 6.6791E-01 | 6.2500E-01 |
| 903.0 | 9.2233E-01 | 6.8889E-01 | 6.4483E-01 |
| 904.0 | 9.2100E-01 | 8.4457E-01 | 7.8862E-01 |
| 905.0 | 9.1800E-01 | 8.1709E-01 | 7.6337E-01 |
| 906.0 | 9.0780E-01 | 7.7558E-01 | 7.2502E-01 |
| 907.0 | 9.1450E-01 | 6.3854E-01 | 5.9833E-01 |
| 908.0 | 9.0143E-01 | 6.5217E-01 | 6.1091E-01 |
| 909.0 | 8.8552E-01 | 7.0431E-01 | 6.5912E-01 |
| 910.0 | 8.9496E-01 | 6.2467E-01 | 5.8553E-01 |
| 911.0 | 8.9730E-01 | 6.6808E-01 | 6.2580E-01 |
| 912.0 | 8.9016E-01 | 6.8893E-01 | 6.4508E-01 |
| 913.0 | 9.0020E-01 | 6.2834E-01 | 5.8906E-01 |
| 914.0 | 8.9820E-01 | 6.2649E-01 | 5.8740E-01 |
| 915.0 | 8.8830E-01 | 6.7836E-01 | 6.3550E-01 |
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| 917.0 | 8.8860E-01 | 7.3017E-01 | 6.8350E-01 |
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| 921.0 | 8.7030E-01 | 7.8049E-01 | 7.3004E-01 |
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| 935.0 | 8.5601E-01 | 2.5084E-01 | 2.3690E-01 |
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| 944.0 | 8.1854E-01 | 2.8579E-01 | 2.6987E-01 |
| 945.0 | 8.2441E-01 | 3.6821E-01 | 3.4729E-01 |
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| 962.0 | 8.0173E-01 | 4.4174E-01 | 4.1664E-01 |
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| 1019.0 | 6.9606E-01 | 6.8878E-01 | 6.4880E-01 |
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| 1085.0 | 6.1181E-01 | 5.9330E-01 | 5.6163E-01 |
| 1086.0 | 6.1570E-01 | 5.5410E-01 | 5.2496E-01 |
| 1087.0 | 5.9145E-01 | 5.6697E-01 | 5.3685E-01 |
| 1088.0 | 6.0728E-01 | 5.9317E-01 | 5.6159E-01 |
| 1089.0 | 6.0908E-01 | 5.7919E-01 | 5.4856E-01 |
| 1090.0 | 6.0442E-01 | 5.5573E-01 | 5.2656E-01 |
| 1091.0 | 6.0799E-01 | 5.8835E-01 | 5.5722E-01 |
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| 1093.0 | 5.9221E-01 | 5.1058E-01 | 4.8417E-01 |
| 1094.0 | 5.6065E-01 | 5.3965E-01 | 5.1120E-01 |
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| 1096.0 | 5.8600E-01 | 5.0323E-01 | 4.7731E-01 |
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| 1098.0 | 5.8700E-01 | 5.0291E-01 | 4.7709E-01 |
| 1099.0 | 5.8216E-01 | 5.0772E-01 | 4.8161E-01 |
| 1100.0 | 6.0000E-01 | 4.8577E-01 | 4.6113E-01 |
| 1101.0 | 5.9900E-01 | 4.9696E-01 | 4.7169E-01 |
| 1102.0 | 5.8202E-01 | 4.6883E-01 | 4.4513E-01 |
| 1103.0 | 5.9500E-01 | 4.6637E-01 | 4.4291E-01 |
| 1104.0 | 5.9300E-01 | 4.6765E-01 | 4.4412E-01 |
| 1105.0 | 5.9100E-01 | 5.0644E-01 | 4.8065E-01 |
| 1106.0 | 5.9000E-01 | 3.9792E-01 | 3.7840E-01 |
| 1107.0 | 5.8600E-01 | 4.8304E-01 | 4.5866E-01 |
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| 1109.0 | 5.8550E-01 | 4.1278E-01 | 3.9249E-01 |
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| 1112.0 | 5.8342E-01 | 4.1357E-01 | 3.9330E-01 |
| 1113.0 | 5.7800E-01 | 2.6850E-01 | 2.5599E-01 |
| 1114.0 | 5.8400E-01 | 2.9985E-01 | 2.8576E-01 |
| 1115.0 | 5.8200E-01 | 2.4987E-01 | 2.3833E-01 |
| 1116.0 | 5.7500E-01 | 2.0136E-01 | 1.9223E-01 |
| 1117.0 | 5.8300E-01 | 7.9618E-02 | 7.6164E-02 |
| 1118.0 | 5.7222E-01 | 2.1753E-01 | 2.0763E-01 |
| 1119.0 | 5.7151E-01 | 1.1317E-01 | 1.0821E-01 |
| 1120.0 | 5.6850E-01 | 1.4189E-01 | 1.3562E-01 |
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| 1122.0 | 5.7500E-01 | 8.1686E-02 | 7.8159E-02 |
| 1123.0 | 5.7400E-01 | 1.2817E-01 | 1.2255E-01 |
| 1124.0 | 5.7250E-01 | 1.0870E-01 | 1.0397E-01 |
| 1125.0 | 5.7012E-01 | 1.4428E-01 | 1.3794E-01 |
| 1126.0 | 5.5300E-01 | 5.1589E-02 | 4.9394E-02 |
| 1127.0 | 5.6179E-01 | 1.5725E-01 | 1.5032E-01 |
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| 1131.0 | 5.6800E-01 | 2.9560E-01 | 2.8201E-01 |
| 1132.0 | 5.7000E-01 | 2.3411E-01 | 2.2359E-01 |
| 1133.0 | 5.6186E-01 | 1.5331E-01 | 1.4661E-01 |
| 1134.0 | 5.6346E-01 | 4.1740E-02 | 3.9988E-02 |
| 1135.0 | 5.6250E-01 | 1.5462E-02 | 1.4819E-02 |
| 1136.0 | 5.6481E-01 | 1.2876E-01 | 1.2320E-01 |
| 1137.0 | 5.5197E-01 | 2.8785E-01 | 2.7472E-01 |
| 1138.0 | 5.4400E-01 | 2.0329E-01 | 1.9428E-01 |
| 1139.0 | 5.5300E-01 | 2.9850E-01 | 2.8484E-01 |
| 1140.0 | 5.5573E-01 | 2.5599E-01 | 2.4447E-01 |
| 1141.0 | 5.4303E-01 | 1.9337E-01 | 1.8486E-01 |
| 1142.0 | 5.5531E-01 | 2.2479E-01 | 2.1481E-01 |
| 1143.0 | 5.4960E-01 | 3.1183E-01 | 2.9758E-01 |
| 1144.0 | 5.4501E-01 | 1.1326E-01 | 1.0843E-01 |

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| 1145.0 | 5.5001E-01 | 1.4604E-01 | 1.3976E-01 |
| 1146.0 | 5.5407E-01 | 1.5764E-01 | 1.5085E-01 |
| 1147.0 | 5.5408E-01 | 5.9176E-02 | 5.6715E-02 |
| 1148.0 | 5.5032E-01 | 2.7113E-01 | 2.5898E-01 |
| 1149.0 | 5.4788E-01 | 2.1854E-01 | 2.0894E-01 |
| 1150.0 | 5.4623E-01 | 1.2164E-01 | 1.1648E-01 |
| 1151.0 | 5.4531E-01 | 2.0340E-01 | 1.9453E-01 |
| 1152.0 | 5.4170E-01 | 2.4762E-01 | 2.3666E-01 |
| 1153.0 | 5.4308E-01 | 2.3812E-01 | 2.2762E-01 |
| 1154.0 | 5.4651E-01 | 1.4248E-01 | 1.3643E-01 |
| 1155.0 | 5.4731E-01 | 3.1316E-01 | 2.9903E-01 |
| 1156.0 | 5.4022E-01 | 2.8090E-01 | 2.6837E-01 |
| 1157.0 | 5.4370E-01 | 3.1458E-01 | 3.0040E-01 |
| 1158.0 | 5.4334E-01 | 3.1171E-01 | 2.9770E-01 |
| 1159.0 | 5.3548E-01 | 3.3693E-01 | 3.2163E-01 |
| 1160.0 | 5.2928E-01 | 2.8648E-01 | 2.7371E-01 |
| 1161.0 | 5.1899E-01 | 3.4753E-01 | 3.3167E-01 |
| 1162.0 | 5.3336E-01 | 3.5002E-01 | 3.3412E-01 |
| 1163.0 | 5.3708E-01 | 4.6857E-01 | 4.4644E-01 |
| 1164.0 | 5.2684E-01 | 4.0188E-01 | 3.8332E-01 |
| 1165.0 | 5.3482E-01 | 3.8860E-01 | 3.7080E-01 |
| 1166.0 | 5.2227E-01 | 3.7494E-01 | 3.5781E-01 |
| 1167.0 | 5.2984E-01 | 4.0996E-01 | 3.9105E-01 |
| 1168.0 | 5.3415E-01 | 4.1954E-01 | 4.0018E-01 |
| 1169.0 | 5.1640E-01 | 4.2310E-01 | 4.0348E-01 |
| 1170.0 | 5.2875E-01 | 4.5873E-01 | 4.3731E-01 |
| 1171.0 | 5.3074E-01 | 4.4831E-01 | 4.2750E-01 |
| 1172.0 | 5.3063E-01 | 4.5483E-01 | 4.3370E-01 |
| 1173.0 | 5.2686E-01 | 4.5642E-01 | 4.3522E-01 |
| 1174.0 | 5.2760E-01 | 3.3692E-01 | 3.2193E-01 |
| 1175.0 | 5.1852E-01 | 4.5240E-01 | 4.3142E-01 |
| 1176.0 | 5.1036E-01 | 4.7679E-01 | 4.5447E-01 |
| 1177.0 | 5.2296E-01 | 4.7235E-01 | 4.5040E-01 |
| 1178.0 | 5.1703E-01 | 3.6000E-01 | 3.4391E-01 |
| 1179.0 | 5.1504E-01 | 4.8371E-01 | 4.6114E-01 |
| 1180.0 | 5.2199E-01 | 4.4069E-01 | 4.2052E-01 |
| 1181.0 | 5.1843E-01 | 4.5514E-01 | 4.3423E-01 |
| 1182.0 | 5.1743E-01 | 3.2318E-01 | 3.0903E-01 |
| 1183.0 | 4.8821E-01 | 4.3870E-01 | 4.1853E-01 |
| 1184.0 | 5.1098E-01 | 4.1985E-01 | 4.0083E-01 |
| 1185.0 | 5.1605E-01 | 4.0741E-01 | 3.8908E-01 |
| 1186.0 | 5.1519E-01 | 4.7715E-01 | 4.5518E-01 |
| 1187.0 | 5.1455E-01 | 4.5575E-01 | 4.3494E-01 |
| 1188.0 | 5.1012E-01 | 3.3504E-01 | 3.2039E-01 |
| 1189.0 | 4.8402E-01 | 4.1569E-01 | 3.9685E-01 |
| 1190.0 | 5.0583E-01 | 4.6239E-01 | 4.4124E-01 |
| 1191.0 | 5.1354E-01 | 4.4660E-01 | 4.2638E-01 |
| 1192.0 | 5.1175E-01 | 4.7336E-01 | 4.5171E-01 |
| 1193.0 | 5.1064E-01 | 4.5434E-01 | 4.3370E-01 |
| 1194.0 | 5.1127E-01 | 4.6890E-01 | 4.4751E-01 |
| 1195.0 | 5.0592E-01 | 4.4696E-01 | 4.2671E-01 |
| 1196.0 | 5.0561E-01 | 4.3131E-01 | 4.1188E-01 |

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| 1197.0 | 5.0286E-01 | 4.7715E-01 | 4.5527E-01 |
| 1198.0 | 4.9217E-01 | 4.3392E-01 | 4.1426E-01 |
| 1199.0 | 4.7434E-01 | 3.6489E-01 | 3.4869E-01 |
| 1200.0 | 5.0005E-01 | 4.4825E-01 | 4.2789E-01 |
| 1201.0 | 5.0579E-01 | 4.3708E-01 | 4.1735E-01 |
| 1202.0 | 5.0705E-01 | 4.3717E-01 | 4.1743E-01 |
| 1203.0 | 4.8836E-01 | 4.3409E-01 | 4.1441E-01 |
| 1204.0 | 4.8696E-01 | 3.6247E-01 | 3.4645E-01 |
| 1205.0 | 5.0195E-01 | 4.3692E-01 | 4.1714E-01 |
| 1206.0 | 4.9869E-01 | 4.8086E-01 | 4.5872E-01 |
| 1207.0 | 5.0143E-01 | 4.2986E-01 | 4.1044E-01 |
| 1208.0 | 4.8962E-01 | 4.3346E-01 | 4.1379E-01 |
| 1209.0 | 4.6636E-01 | 4.1428E-01 | 3.9548E-01 |
| 1210.0 | 4.9225E-01 | 4.5336E-01 | 4.3267E-01 |
| 1211.0 | 4.7909E-01 | 4.2232E-01 | 4.0319E-01 |
| 1212.0 | 4.9064E-01 | 4.2489E-01 | 4.0572E-01 |
| 1213.0 | 4.9190E-01 | 4.6956E-01 | 4.4804E-01 |
| 1214.0 | 4.8932E-01 | 4.3407E-01 | 4.1443E-01 |
| 1215.0 | 4.9044E-01 | 4.2780E-01 | 4.0851E-01 |
| 1216.0 | 4.8878E-01 | 4.6640E-01 | 4.4509E-01 |
| 1217.0 | 4.8764E-01 | 4.5528E-01 | 4.3457E-01 |
| 1218.0 | 4.8599E-01 | 4.5934E-01 | 4.3842E-01 |
| 1219.0 | 4.8234E-01 | 4.4663E-01 | 4.2639E-01 |
| 1220.0 | 4.8433E-01 | 4.5805E-01 | 4.3724E-01 |
| 1221.0 | 4.8343E-01 | 4.6531E-01 | 4.4413E-01 |
| 1222.0 | 4.8133E-01 | 4.5139E-01 | 4.3096E-01 |
| 1223.0 | 4.7600E-01 | 4.4406E-01 | 4.2400E-01 |
| 1224.0 | 4.8224E-01 | 4.4808E-01 | 4.2788E-01 |
| 1225.0 | 4.7925E-01 | 4.6236E-01 | 4.4141E-01 |
| 1226.0 | 4.8026E-01 | 4.6819E-01 | 4.4696E-01 |
| 1227.0 | 4.6841E-01 | 4.3304E-01 | 4.1360E-01 |
| 1228.0 | 4.7443E-01 | 4.6658E-01 | 4.4544E-01 |
| 1229.0 | 4.7725E-01 | 4.6721E-01 | 4.4608E-01 |
| 1230.0 | 4.7502E-01 | 4.6003E-01 | 4.3928E-01 |
| 1231.0 | 4.7425E-01 | 4.7203E-01 | 4.5067E-01 |
| 1232.0 | 4.6896E-01 | 4.6633E-01 | 4.4525E-01 |
| 1233.0 | 4.7118E-01 | 4.5397E-01 | 4.3359E-01 |
| 1234.0 | 4.6946E-01 | 4.7016E-01 | 4.4893E-01 |
| 1235.0 | 4.6644E-01 | 4.6504E-01 | 4.4409E-01 |
| 1236.0 | 4.6863E-01 | 4.6908E-01 | 4.4795E-01 |
| 1237.0 | 4.6790E-01 | 4.6339E-01 | 4.4259E-01 |
| 1238.0 | 4.6748E-01 | 4.6797E-01 | 4.4694E-01 |
| 1239.0 | 4.6235E-01 | 4.6272E-01 | 4.4194E-01 |
| 1240.0 | 4.5968E-01 | 4.6077E-01 | 4.4011E-01 |
| 1241.0 | 4.6439E-01 | 4.6197E-01 | 4.4130E-01 |
| 1242.0 | 4.6169E-01 | 4.6247E-01 | 4.4179E-01 |
| 1243.0 | 4.5655E-01 | 4.5754E-01 | 4.3712E-01 |
| 1244.0 | 4.5535E-01 | 4.5528E-01 | 4.3499E-01 |
| 1245.0 | 4.5600E-01 | 4.5655E-01 | 4.3622E-01 |
| 1246.0 | 4.5875E-01 | 4.5945E-01 | 4.3902E-01 |
| 1247.0 | 4.5775E-01 | 4.5746E-01 | 4.3715E-01 |
| 1248.0 | 4.6076E-01 | 4.5860E-01 | 4.3828E-01 |

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| 1249.0 | 4.6013E-01 | 4.5966E-01 | 4.3930E-01 |
| 1250.0 | 4.5860E-01 | 4.5705E-01 | 4.3684E-01 |
| 1251.0 | 4.5638E-01 | 4.5258E-01 | 4.3260E-01 |
| 1252.0 | 4.5195E-01 | 4.5097E-01 | 4.3106E-01 |
| 1253.0 | 4.5371E-01 | 4.4773E-01 | 4.2803E-01 |
| 1254.0 | 4.5358E-01 | 4.4363E-01 | 4.2416E-01 |
| 1255.0 | 4.5304E-01 | 4.5070E-01 | 4.3088E-01 |
| 1256.0 | 4.5192E-01 | 4.4023E-01 | 4.2096E-01 |
| 1257.0 | 4.4880E-01 | 4.3532E-01 | 4.1630E-01 |
| 1258.0 | 4.5116E-01 | 4.4496E-01 | 4.2549E-01 |
| 1259.0 | 4.4797E-01 | 4.2725E-01 | 4.0868E-01 |
| 1260.0 | 4.5018E-01 | 4.3110E-01 | 4.1235E-01 |
| 1261.0 | 4.4925E-01 | 4.1146E-01 | 3.9371E-01 |
| 1262.0 | 4.4252E-01 | 3.9567E-01 | 3.7867E-01 |
| 1263.0 | 4.4825E-01 | 4.0019E-01 | 3.8300E-01 |
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| 1266.0 | 4.4615E-01 | 3.8527E-01 | 3.6881E-01 |
| 1267.0 | 4.3912E-01 | 3.8822E-01 | 3.7159E-01 |
| 1268.0 | 4.3594E-01 | 3.7051E-01 | 3.5475E-01 |
| 1269.0 | 4.4042E-01 | 2.4652E-01 | 2.3656E-01 |
| 1270.0 | 4.4212E-01 | 3.8744E-01 | 3.7087E-01 |
| 1271.0 | 4.4290E-01 | 4.0825E-01 | 3.9062E-01 |
| 1272.0 | 4.4130E-01 | 4.0879E-01 | 3.9114E-01 |
| 1273.0 | 4.4084E-01 | 4.0625E-01 | 3.8874E-01 |
| 1274.0 | 4.3807E-01 | 4.0614E-01 | 3.8864E-01 |
| 1275.0 | 4.4072E-01 | 4.1233E-01 | 3.9455E-01 |
| 1276.0 | 4.4192E-01 | 4.1693E-01 | 3.9895E-01 |
| 1277.0 | 4.4188E-01 | 4.2001E-01 | 4.0191E-01 |
| 1278.0 | 4.4074E-01 | 4.2763E-01 | 4.0916E-01 |
| 1279.0 | 4.3795E-01 | 4.2456E-01 | 4.0626E-01 |
| 1280.0 | 4.3543E-01 | 4.2204E-01 | 4.0387E-01 |
| 1281.0 | 4.2267E-01 | 4.1335E-01 | 3.9554E-01 |
| 1282.0 | 3.7589E-01 | 3.7305E-01 | 3.5695E-01 |
| 1283.0 | 4.1159E-01 | 4.0733E-01 | 3.8978E-01 |
| 1284.0 | 4.2667E-01 | 4.2078E-01 | 4.0268E-01 |
| 1285.0 | 4.2909E-01 | 4.2399E-01 | 4.0577E-01 |
| 1286.0 | 4.2878E-01 | 4.2714E-01 | 4.0878E-01 |
| 1287.0 | 4.3036E-01 | 4.2213E-01 | 4.0405E-01 |
| 1288.0 | 4.2684E-01 | 4.1989E-01 | 4.0192E-01 |
| 1289.0 | 4.2755E-01 | 4.0936E-01 | 3.9194E-01 |
| 1290.0 | 4.1851E-01 | 4.1285E-01 | 3.9522E-01 |
| 1291.0 | 4.2159E-01 | 4.1786E-01 | 4.0004E-01 |
| 1292.0 | 4.2278E-01 | 3.9618E-01 | 3.7946E-01 |
| 1293.0 | 4.2261E-01 | 4.1257E-01 | 3.9506E-01 |
| 1294.0 | 4.1615E-01 | 4.0421E-01 | 3.8709E-01 |
| 1295.0 | 4.1944E-01 | 4.0514E-01 | 3.8801E-01 |
| 1296.0 | 4.1979E-01 | 3.8957E-01 | 3.7322E-01 |
| 1297.0 | 4.1718E-01 | 3.7130E-01 | 3.5583E-01 |
| 1298.0 | 4.1263E-01 | 3.9183E-01 | 3.7536E-01 |
| 1299.0 | 4.1701E-01 | 4.0852E-01 | 3.9127E-01 |
| 1300.0 | 4.1537E-01 | 3.5312E-01 | 3.3855E-01 |

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| 1301.0 | 4.1404E-01 | 3.6228E-01 | 3.4728E-01 |
| 1302.0 | 4.0955E-01 | 3.9181E-01 | 3.7539E-01 |
| 1303.0 | 4.0768E-01 | 3.4621E-01 | 3.3197E-01 |
| 1304.0 | 4.0632E-01 | 3.0062E-01 | 2.8849E-01 |
| 1305.0 | 4.1028E-01 | 3.8382E-01 | 3.6783E-01 |
| 1306.0 | 4.1039E-01 | 3.8453E-01 | 3.6853E-01 |
| 1307.0 | 4.0958E-01 | 3.0594E-01 | 2.9362E-01 |
| 1308.0 | 4.0873E-01 | 3.4696E-01 | 3.3277E-01 |
| 1309.0 | 4.0907E-01 | 3.8413E-01 | 3.6822E-01 |
| 1310.0 | 4.0714E-01 | 3.0114E-01 | 2.8908E-01 |
| 1311.0 | 4.0611E-01 | 3.3366E-01 | 3.2012E-01 |
| 1312.0 | 4.0315E-01 | 3.3337E-01 | 3.1986E-01 |
| 1313.0 | 3.9084E-01 | 3.1352E-01 | 3.0089E-01 |
| 1314.0 | 4.0271E-01 | 2.8833E-01 | 2.7690E-01 |
| 1315.0 | 3.9162E-01 | 2.8581E-01 | 2.7447E-01 |
| 1316.0 | 3.9421E-01 | 3.2419E-01 | 3.1113E-01 |
| 1317.0 | 4.0116E-01 | 3.1217E-01 | 2.9969E-01 |
| 1318.0 | 3.9547E-01 | 3.3328E-01 | 3.1984E-01 |
| 1319.0 | 4.0093E-01 | 2.6855E-01 | 2.5803E-01 |
| 1320.0 | 3.9875E-01 | 2.5872E-01 | 2.4864E-01 |
| 1321.0 | 3.9545E-01 | 2.9866E-01 | 2.8684E-01 |
| 1322.0 | 3.9538E-01 | 3.0217E-01 | 2.9023E-01 |
| 1323.0 | 3.9502E-01 | 2.3279E-01 | 2.2386E-01 |
| 1324.0 | 3.9516E-01 | 2.6249E-01 | 2.5231E-01 |
| 1325.0 | 3.9369E-01 | 3.2224E-01 | 3.0943E-01 |
| 1326.0 | 3.9229E-01 | 2.8051E-01 | 2.6956E-01 |
| 1327.0 | 3.8877E-01 | 2.6625E-01 | 2.5593E-01 |
| 1328.0 | 3.9062E-01 | 2.3450E-01 | 2.2555E-01 |
| 1329.0 | 3.7950E-01 | 1.7759E-01 | 1.7097E-01 |
| 1330.0 | 3.8548E-01 | 2.2923E-01 | 2.2052E-01 |
| 1331.0 | 3.8765E-01 | 1.4480E-01 | 1.3951E-01 |
| 1332.0 | 3.7850E-01 | 1.4579E-01 | 1.4046E-01 |
| 1333.0 | 3.8699E-01 | 2.0304E-01 | 1.9545E-01 |
| 1334.0 | 3.8684E-01 | 1.6925E-01 | 1.6302E-01 |
| 1335.0 | 3.8563E-01 | 2.3117E-01 | 2.2244E-01 |
| 1336.0 | 3.8231E-01 | 1.8348E-01 | 1.7670E-01 |
| 1337.0 | 3.8285E-01 | 1.6454E-01 | 1.5852E-01 |
| 1338.0 | 3.8094E-01 | 1.7804E-01 | 1.7151E-01 |
| 1339.0 | 3.7570E-01 | 1.7681E-01 | 1.7033E-01 |
| 1340.0 | 3.7439E-01 | 1.6831E-01 | 1.6216E-01 |
| 1341.0 | 3.8168E-01 | 1.7039E-01 | 1.6419E-01 |
| 1342.0 | 3.8020E-01 | 1.7798E-01 | 1.7149E-01 |
| 1343.0 | 3.7977E-01 | 1.2711E-01 | 1.2259E-01 |
| 1344.0 | 3.7986E-01 | 7.5645E-02 | 7.3018E-02 |
| 1345.0 | 3.7953E-01 | 1.0904E-01 | 1.0521E-01 |
| 1346.0 | 3.7554E-01 | 5.8186E-02 | 5.6189E-02 |
| 1347.0 | 3.7760E-01 | 6.0119E-02 | 5.8058E-02 |
| 1348.0 | 3.7664E-01 | 4.7451E-03 | 4.5862E-03 |
| 1349.0 | 3.7550E-01 | 1.6159E-02 | 1.5617E-02 |
| 1350.0 | 3.7081E-01 | 1.6025E-02 | 1.5488E-02 |
| 1351.0 | 3.7167E-01 | 4.6298E-03 | 4.4759E-03 |
| 1352.0 | 3.7533E-01 | 1.5164E-03 | 1.4661E-03 |

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| 1353.0 | 3.7401E-01 | 9.6096E-05 | 9.2918E-05 |
| 1354.0 | 3.7294E-01 | 2.9009E-04 | 2.8051E-04 |
| 1355.0 | 3.6827E-01 | 3.6034E-06 | 3.4847E-06 |
| 1356.0 | 3.6876E-01 | 4.8070E-05 | 4.6489E-05 |
| 1357.0 | 3.6439E-01 | 7.1786E-05 | 6.9429E-05 |
| 1358.0 | 3.6997E-01 | 4.1948E-06 | 4.0575E-06 |
| 1359.0 | 3.6903E-01 | 7.3439E-07 | 7.1040E-07 |
| 1360.0 | 3.6464E-01 | 2.1404E-06 | 2.0706E-06 |
| 1361.0 | 3.7027E-01 | 4.8133E-09 | 4.6566E-09 |
| 1362.0 | 3.6936E-01 | 1.8076E-11 | 1.7489E-11 |
| 1363.0 | 3.6185E-01 | 3.1563E-06 | 3.0540E-06 |
| 1364.0 | 3.6683E-01 | 1.3589E-06 | 1.3150E-06 |
| 1365.0 | 3.6629E-01 | 9.0764E-12 | 8.7833E-12 |
| 1366.0 | 3.6592E-01 | 1.2791E-05 | 1.2379E-05 |
| 1367.0 | 3.6242E-01 | 4.9764E-06 | 4.8161E-06 |
| 1368.0 | 3.6557E-01 | 1.4810E-13 | 1.4311E-13 |
| 1369.0 | 3.5886E-01 | 5.1667E-07 | 5.0008E-07 |
| 1370.0 | 3.5912E-01 | 2.9200E-07 | 2.8266E-07 |
| 1371.0 | 3.5949E-01 | 1.9731E-08 | 1.9101E-08 |
| 1372.0 | 3.6313E-01 | 2.7498E-06 | 2.6623E-06 |
| 1373.0 | 3.6294E-01 | 4.4401E-05 | 4.2991E-05 |
| 1374.0 | 3.6291E-01 | 1.7917E-04 | 1.7350E-04 |
| 1375.0 | 3.5749E-01 | 3.2332E-04 | 3.1309E-04 |
| 1376.0 | 3.5350E-01 | 2.5748E-04 | 2.4935E-04 |
| 1377.0 | 3.5790E-01 | 1.2270E-04 | 1.1883E-04 |
| 1378.0 | 3.5652E-01 | 1.1089E-03 | 1.0741E-03 |
| 1379.0 | 3.6035E-01 | 5.2164E-05 | 5.0533E-05 |
| 1380.0 | 3.5682E-01 | 8.1587E-05 | 7.9042E-05 |
| 1381.0 | 3.5784E-01 | 2.3716E-06 | 2.2978E-06 |
| 1382.0 | 3.5274E-01 | 2.5672E-06 | 2.4874E-06 |
| 1383.0 | 3.5376E-01 | 4.4017E-08 | 4.2653E-08 |
| 1384.0 | 3.5594E-01 | 6.1689E-07 | 5.9782E-07 |
| 1385.0 | 3.5242E-01 | 2.0899E-06 | 2.0255E-06 |
| 1386.0 | 3.5493E-01 | 2.5215E-06 | 2.4441E-06 |
| 1387.0 | 3.5136E-01 | 1.9896E-04 | 1.9288E-04 |
| 1388.0 | 3.5277E-01 | 4.0262E-06 | 3.9037E-06 |
| 1389.0 | 3.5406E-01 | 5.8098E-04 | 5.6338E-04 |
| 1390.0 | 3.4736E-01 | 4.9328E-04 | 4.7836E-04 |
| 1391.0 | 3.5242E-01 | 3.4384E-04 | 3.3345E-04 |
| 1392.0 | 3.5179E-01 | 2.3782E-05 | 2.3065E-05 |
| 1393.0 | 3.5008E-01 | 1.1586E-04 | 1.1238E-04 |
| 1394.0 | 3.4760E-01 | 7.5526E-05 | 7.3268E-05 |
| 1395.0 | 3.4754E-01 | 6.7136E-07 | 6.5137E-07 |
| 1396.0 | 3.4943E-01 | 6.3215E-09 | 6.1338E-09 |
| 1397.0 | 3.4932E-01 | 4.9057E-05 | 4.7605E-05 |
| 1398.0 | 3.4952E-01 | 1.2704E-03 | 1.2329E-03 |
| 1399.0 | 3.4886E-01 | 8.1226E-04 | 7.8835E-04 |
| 1400.0 | 3.3896E-01 | 3.2466E-09 | 3.1513E-09 |
| 1401.0 | 3.3929E-01 | 1.0528E-08 | 1.0219E-08 |
| 1402.0 | 3.4411E-01 | 1.8353E-03 | 1.7817E-03 |
| 1403.0 | 3.4014E-01 | 2.3800E-03 | 2.3108E-03 |
| 1404.0 | 3.4106E-01 | 7.3892E-04 | 7.1755E-04 |

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| 1405.0 | 3.4012E-01 | 3.6444E-07 | 3.5395E-07 |
| 1406.0 | 3.4164E-01 | 2.0448E-03 | 1.9861E-03 |
| 1407.0 | 3.4085E-01 | 1.7457E-04 | 1.6957E-04 |
| 1408.0 | 3.4007E-01 | 1.6493E-03 | 1.6023E-03 |
| 1409.0 | 3.4118E-01 | 6.1919E-04 | 6.0159E-04 |
| 1410.0 | 3.4046E-01 | 4.6653E-04 | 4.5332E-04 |
| 1411.0 | 3.3767E-01 | 2.1142E-03 | 2.0544E-03 |
| 1412.0 | 3.2920E-01 | 2.6396E-03 | 2.5650E-03 |
| 1413.0 | 3.3290E-01 | 2.3353E-02 | 2.2690E-02 |
| 1414.0 | 3.3704E-01 | 3.6378E-04 | 3.5359E-04 |
| 1415.0 | 3.3707E-01 | 1.8366E-04 | 1.7854E-04 |
| 1416.0 | 3.3503E-01 | 3.5565E-02 | 3.4561E-02 |
| 1417.0 | 3.3748E-01 | 1.1759E-02 | 1.1431E-02 |
| 1418.0 | 3.3773E-01 | 1.3559E-02 | 1.3182E-02 |
| 1419.0 | 3.3391E-01 | 2.1442E-03 | 2.0851E-03 |
| 1420.0 | 3.3270E-01 | 8.2718E-03 | 8.0437E-03 |
| 1421.0 | 3.3594E-01 | 9.1637E-03 | 8.9117E-03 |
| 1422.0 | 3.2875E-01 | 4.6314E-02 | 4.5023E-02 |
| 1423.0 | 3.2884E-01 | 9.2198E-03 | 8.9676E-03 |
| 1424.0 | 3.2772E-01 | 1.6975E-02 | 1.6511E-02 |
| 1425.0 | 3.3256E-01 | 2.5850E-02 | 2.5142E-02 |
| 1426.0 | 3.2306E-01 | 2.7792E-02 | 2.7032E-02 |
| 1427.0 | 3.2745E-01 | 4.9546E-02 | 4.8180E-02 |
| 1428.0 | 3.3036E-01 | 4.5588E-03 | 4.4360E-03 |
| 1429.0 | 3.2347E-01 | 3.8020E-02 | 3.6985E-02 |
| 1430.0 | 3.2277E-01 | 6.1601E-02 | 5.9912E-02 |
| 1431.0 | 3.2421E-01 | 5.0156E-02 | 4.8792E-02 |
| 1432.0 | 3.3114E-01 | 2.5194E-03 | 2.4524E-03 |
| 1433.0 | 3.3067E-01 | 3.5834E-02 | 3.4870E-02 |
| 1434.0 | 3.2509E-01 | 2.0962E-02 | 2.0403E-02 |
| 1435.0 | 3.2731E-01 | 2.1416E-02 | 2.0847E-02 |
| 1436.0 | 3.2662E-01 | 3.8351E-02 | 3.7326E-02 |
| 1437.0 | 3.2786E-01 | 2.9880E-02 | 2.9085E-02 |
| 1438.0 | 3.2601E-01 | 1.3263E-02 | 1.2913E-02 |
| 1439.0 | 3.2856E-01 | 5.1039E-02 | 4.9672E-02 |
| 1440.0 | 3.1269E-01 | 3.9601E-02 | 3.8547E-02 |
| 1441.0 | 3.1695E-01 | 3.1800E-02 | 3.0959E-02 |
| 1442.0 | 3.1584E-01 | 3.6317E-02 | 3.5356E-02 |
| 1443.0 | 3.1780E-01 | 4.5063E-02 | 4.3868E-02 |
| 1444.0 | 3.1911E-01 | 6.1791E-02 | 6.0143E-02 |
| 1445.0 | 3.1929E-01 | 4.9751E-02 | 4.8434E-02 |
| 1446.0 | 3.2135E-01 | 2.3095E-02 | 2.2492E-02 |
| 1447.0 | 3.1760E-01 | 3.6215E-02 | 3.5265E-02 |
| 1448.0 | 3.2096E-01 | 1.1569E-01 | 1.1254E-01 |
| 1449.0 | 3.2026E-01 | 1.0213E-01 | 9.9374E-02 |
| 1450.0 | 3.1774E-01 | 2.7412E-02 | 2.6699E-02 |
| 1451.0 | 3.1367E-01 | 1.1271E-02 | 1.0980E-02 |
| 1452.0 | 3.1355E-01 | 6.2361E-02 | 6.0718E-02 |
| 1453.0 | 3.1539E-01 | 8.1978E-02 | 7.9803E-02 |
| 1454.0 | 3.1282E-01 | 1.3759E-01 | 1.3384E-01 |
| 1455.0 | 3.1210E-01 | 6.6150E-02 | 6.4409E-02 |
| 1456.0 | 3.0956E-01 | 8.8509E-02 | 8.6158E-02 |

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| 1457.0 | 3.1241E-01 | 1.1700E-01 | 1.1386E-01 |
| 1458.0 | 3.1612E-01 | 1.3643E-01 | 1.3273E-01 |
| 1459.0 | 3.1746E-01 | 1.6307E-01 | 1.5860E-01 |
| 1460.0 | 3.1367E-01 | 8.5421E-02 | 8.3161E-02 |
| 1461.0 | 3.1308E-01 | 9.0276E-02 | 8.7886E-02 |
| 1462.0 | 3.1018E-01 | 1.3060E-01 | 1.2708E-01 |
| 1463.0 | 3.0823E-01 | 4.3225E-02 | 4.2106E-02 |
| 1464.0 | 3.0820E-01 | 1.5184E-01 | 1.4770E-01 |
| 1465.0 | 3.1158E-01 | 9.3383E-02 | 9.0911E-02 |
| 1466.0 | 3.0696E-01 | 6.5197E-02 | 6.3498E-02 |
| 1467.0 | 3.1322E-01 | 3.6054E-02 | 3.5128E-02 |
| 1468.0 | 3.0750E-01 | 7.6942E-02 | 7.4928E-02 |
| 1469.0 | 3.1201E-01 | 9.4845E-02 | 9.2344E-02 |
| 1470.0 | 3.1010E-01 | 4.9678E-02 | 4.8397E-02 |
| 1471.0 | 3.0414E-01 | 1.7848E-02 | 1.7394E-02 |
| 1472.0 | 3.0581E-01 | 4.6771E-02 | 4.5566E-02 |
| 1473.0 | 3.0552E-01 | 7.0198E-02 | 6.8368E-02 |
| 1474.0 | 2.9705E-01 | 9.7339E-02 | 9.4765E-02 |
| 1475.0 | 3.0349E-01 | 1.8463E-01 | 1.7954E-01 |
| 1476.0 | 3.0369E-01 | 6.8778E-02 | 6.6987E-02 |
| 1477.0 | 3.0250E-01 | 6.9736E-02 | 6.7916E-02 |
| 1478.0 | 3.0228E-01 | 6.3480E-02 | 6.1825E-02 |
| 1479.0 | 3.0461E-01 | 1.2001E-01 | 1.1680E-01 |
| 1480.0 | 3.0626E-01 | 6.0637E-02 | 5.9063E-02 |
| 1481.0 | 3.0179E-01 | 1.1529E-01 | 1.1221E-01 |
| 1482.0 | 3.0462E-01 | 5.8490E-02 | 5.6967E-02 |
| 1483.0 | 2.9813E-01 | 1.4859E-01 | 1.4454E-01 |
| 1484.0 | 3.0172E-01 | 1.3747E-01 | 1.3375E-01 |
| 1485.0 | 3.0607E-01 | 1.2503E-01 | 1.2168E-01 |
| 1486.0 | 3.0168E-01 | 1.2340E-01 | 1.2008E-01 |
| 1487.0 | 2.9989E-01 | 6.0629E-02 | 5.9042E-02 |
| 1488.0 | 2.6525E-01 | 9.4180E-02 | 9.1654E-02 |
| 1489.0 | 2.9910E-01 | 1.8973E-01 | 1.8443E-01 |
| 1490.0 | 3.0093E-01 | 1.7478E-01 | 1.6993E-01 |
| 1491.0 | 3.0175E-01 | 1.9778E-01 | 1.9222E-01 |
| 1492.0 | 2.9773E-01 | 1.6441E-01 | 1.5986E-01 |
| 1493.0 | 3.0200E-01 | 1.8157E-01 | 1.7651E-01 |
| 1494.0 | 3.0190E-01 | 2.0367E-01 | 1.9794E-01 |
| 1495.0 | 3.0074E-01 | 1.8253E-01 | 1.7745E-01 |
| 1496.0 | 2.9140E-01 | 1.6852E-01 | 1.6385E-01 |
| 1497.0 | 2.9684E-01 | 2.2850E-01 | 2.2198E-01 |
| 1498.0 | 2.9946E-01 | 1.8968E-01 | 1.8437E-01 |
| 1499.0 | 2.9528E-01 | 2.1759E-01 | 2.1141E-01 |
| 1500.0 | 3.0077E-01 | 2.5061E-01 | 2.4339E-01 |
| 1501.0 | 2.9990E-01 | 2.6552E-01 | 2.5782E-01 |
| 1502.0 | 2.9743E-01 | 2.3356E-01 | 2.2688E-01 |
| 1503.0 | 2.6920E-01 | 1.8493E-01 | 1.7972E-01 |
| 1504.0 | 2.8319E-01 | 1.6029E-01 | 1.5586E-01 |
| 1505.0 | 2.7149E-01 | 1.8402E-01 | 1.7885E-01 |
| 1506.0 | 2.8367E-01 | 2.5773E-01 | 2.5026E-01 |
| 1507.0 | 2.9376E-01 | 2.5514E-01 | 2.4779E-01 |
| 1508.0 | 2.9028E-01 | 2.4302E-01 | 2.3606E-01 |

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| 1509.0 | 2.8805E-01 | 1.8690E-01 | 1.8169E-01 |
| 1510.0 | 2.9394E-01 | 2.7052E-01 | 2.6269E-01 |
| 1511.0 | 2.9446E-01 | 2.6474E-01 | 2.5710E-01 |
| 1512.0 | 2.8845E-01 | 2.6068E-01 | 2.5315E-01 |
| 1513.0 | 2.8729E-01 | 2.4239E-01 | 2.3544E-01 |
| 1514.0 | 2.8500E-01 | 2.2571E-01 | 2.1930E-01 |
| 1515.0 | 2.8807E-01 | 2.6573E-01 | 2.5804E-01 |
| 1516.0 | 2.8720E-01 | 2.5683E-01 | 2.4943E-01 |
| 1517.0 | 2.8526E-01 | 2.4929E-01 | 2.4214E-01 |
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| 1519.0 | 2.8495E-01 | 2.4437E-01 | 2.3739E-01 |
| 1520.0 | 2.8786E-01 | 2.6450E-01 | 2.5688E-01 |
| 1521.0 | 2.8083E-01 | 2.7505E-01 | 2.6707E-01 |
| 1522.0 | 2.8031E-01 | 2.6378E-01 | 2.5617E-01 |
| 1523.0 | 2.8448E-01 | 2.8004E-01 | 2.7192E-01 |
| 1524.0 | 2.8460E-01 | 2.7539E-01 | 2.6743E-01 |
| 1525.0 | 2.7846E-01 | 2.5884E-01 | 2.5140E-01 |
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| 1529.0 | 2.8290E-01 | 2.7244E-01 | 2.6460E-01 |
| 1530.0 | 2.6731E-01 | 2.5522E-01 | 2.4789E-01 |
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| 1532.0 | 2.8263E-01 | 2.7839E-01 | 2.7039E-01 |
| 1533.0 | 2.8041E-01 | 2.7714E-01 | 2.6918E-01 |
| 1534.0 | 2.7543E-01 | 2.6892E-01 | 2.6122E-01 |
| 1535.0 | 2.7754E-01 | 2.6686E-01 | 2.5924E-01 |
| 1536.0 | 2.8058E-01 | 2.7464E-01 | 2.6679E-01 |
| 1537.0 | 2.8096E-01 | 2.7336E-01 | 2.6558E-01 |
| 1538.0 | 2.7338E-01 | 2.7202E-01 | 2.6427E-01 |
| 1539.0 | 2.7808E-01 | 2.7295E-01 | 2.6519E-01 |
| 1540.0 | 2.6857E-01 | 2.6491E-01 | 2.5737E-01 |
| 1541.0 | 2.7297E-01 | 2.6904E-01 | 2.6141E-01 |
| 1542.0 | 2.7536E-01 | 2.6927E-01 | 2.6165E-01 |
| 1543.0 | 2.7499E-01 | 2.7208E-01 | 2.6439E-01 |
| 1544.0 | 2.7716E-01 | 2.7210E-01 | 2.6443E-01 |
| 1545.0 | 2.7768E-01 | 2.7705E-01 | 2.6922E-01 |
| 1546.0 | 2.7722E-01 | 2.7481E-01 | 2.6705E-01 |
| 1547.0 | 2.7354E-01 | 2.7309E-01 | 2.6537E-01 |
| 1548.0 | 2.6698E-01 | 2.6675E-01 | 2.5920E-01 |
| 1549.0 | 2.7267E-01 | 2.7342E-01 | 2.6568E-01 |
| 1550.0 | 2.6961E-01 | 2.6990E-01 | 2.6226E-01 |
| 1551.0 | 2.7075E-01 | 2.7058E-01 | 2.6293E-01 |
| 1552.0 | 2.7400E-01 | 2.7182E-01 | 2.6415E-01 |
| 1553.0 | 2.7090E-01 | 2.7132E-01 | 2.6366E-01 |
| 1554.0 | 2.6495E-01 | 2.6474E-01 | 2.5727E-01 |
| 1555.0 | 2.6712E-01 | 2.6759E-01 | 2.6005E-01 |
| 1556.0 | 2.6292E-01 | 2.6310E-01 | 2.5569E-01 |
| 1557.0 | 2.7013E-01 | 2.7062E-01 | 2.6301E-01 |
| 1558.0 | 2.6805E-01 | 2.6848E-01 | 2.6093E-01 |
| 1559.0 | 2.6780E-01 | 2.6808E-01 | 2.6054E-01 |
| 1560.0 | 2.6546E-01 | 2.6568E-01 | 2.5821E-01 |

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| 1561.0 | 2.6968E-01 | 2.7002E-01 | 2.6242E-01 |
| 1562.0 | 2.6833E-01 | 2.6756E-01 | 2.6003E-01 |
| 1563.0 | 2.6688E-01 | 2.6667E-01 | 2.5917E-01 |
| 1564.0 | 2.6307E-01 | 2.6264E-01 | 2.5525E-01 |
| 1565.0 | 2.6682E-01 | 2.6728E-01 | 2.5975E-01 |
| 1566.0 | 2.6262E-01 | 2.6245E-01 | 2.5506E-01 |
| 1567.0 | 2.6352E-01 | 2.6308E-01 | 2.5566E-01 |
| 1568.0 | 2.6042E-01 | 2.5722E-01 | 2.4997E-01 |
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| 1571.0 | 2.6668E-01 | 2.3507E-01 | 2.2850E-01 |
| 1572.0 | 2.6694E-01 | 2.3775E-01 | 2.3108E-01 |
| 1573.0 | 2.6344E-01 | 2.3407E-01 | 2.2750E-01 |
| 1574.0 | 2.6221E-01 | 2.4145E-01 | 2.3464E-01 |
| 1575.0 | 2.4738E-01 | 2.3974E-01 | 2.3294E-01 |
| 1576.0 | 2.6031E-01 | 2.4678E-01 | 2.3980E-01 |
| 1577.0 | 2.3690E-01 | 2.1602E-01 | 2.0994E-01 |
| 1578.0 | 2.5723E-01 | 2.3516E-01 | 2.2854E-01 |
| 1579.0 | 2.6167E-01 | 2.3672E-01 | 2.3005E-01 |
| 1580.0 | 2.6381E-01 | 2.4464E-01 | 2.3772E-01 |
| 1581.0 | 2.6483E-01 | 2.4870E-01 | 2.4165E-01 |
| 1582.0 | 2.5412E-01 | 2.4195E-01 | 2.3508E-01 |
| 1583.0 | 2.5771E-01 | 2.4755E-01 | 2.4051E-01 |
| 1584.0 | 2.5449E-01 | 2.4904E-01 | 2.4194E-01 |
| 1585.0 | 2.6198E-01 | 2.5874E-01 | 2.5135E-01 |
| 1586.0 | 2.5817E-01 | 2.5569E-01 | 2.4838E-01 |
| 1587.0 | 2.5492E-01 | 2.5303E-01 | 2.4579E-01 |
| 1588.0 | 2.5048E-01 | 2.5107E-01 | 2.4388E-01 |
| 1589.0 | 2.3152E-01 | 2.3233E-01 | 2.2567E-01 |
| 1590.0 | 2.4154E-01 | 2.4179E-01 | 2.3486E-01 |
| 1591.0 | 2.4132E-01 | 2.4197E-01 | 2.3503E-01 |
| 1592.0 | 2.5286E-01 | 2.5225E-01 | 2.4502E-01 |
| 1593.0 | 2.5751E-01 | 2.5833E-01 | 2.5092E-01 |
| 1594.0 | 2.5643E-01 | 2.5624E-01 | 2.4890E-01 |
| 1595.0 | 2.5765E-01 | 2.5823E-01 | 2.5083E-01 |
| 1596.0 | 2.4452E-01 | 2.4452E-01 | 2.3751E-01 |
| 1597.0 | 2.4854E-01 | 2.4692E-01 | 2.3985E-01 |
| 1598.0 | 2.5629E-01 | 2.5421E-01 | 2.4693E-01 |
| 1599.0 | 2.4977E-01 | 2.4202E-01 | 2.3511E-01 |
| 1600.0 | 2.5259E-01 | 2.3810E-01 | 2.3133E-01 |
| 1601.0 | 2.4494E-01 | 2.2323E-01 | 2.1691E-01 |
| 1602.0 | 2.4857E-01 | 2.2413E-01 | 2.1780E-01 |
| 1603.0 | 2.4901E-01 | 2.2397E-01 | 2.1765E-01 |
| 1604.0 | 2.5002E-01 | 2.2842E-01 | 2.2197E-01 |
| 1605.0 | 2.4703E-01 | 2.3683E-01 | 2.3010E-01 |
| 1606.0 | 2.4748E-01 | 2.4140E-01 | 2.3453E-01 |
| 1607.0 | 2.4544E-01 | 2.3296E-01 | 2.2637E-01 |
| 1608.0 | 2.4999E-01 | 2.2990E-01 | 2.2343E-01 |
| 1609.0 | 2.4858E-01 | 2.2727E-01 | 2.2088E-01 |
| 1610.0 | 2.3312E-01 | 2.1760E-01 | 2.1146E-01 |
| 1611.0 | 2.4078E-01 | 2.2680E-01 | 2.2039E-01 |
| 1612.0 | 2.4125E-01 | 2.3076E-01 | 2.2422E-01 |

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| 1613.0 | 2.4581E-01 | 2.3719E-01 | 2.3047E-01 |
| 1614.0 | 2.4350E-01 | 2.3838E-01 | 2.3162E-01 |
| 1615.0 | 2.4434E-01 | 2.4104E-01 | 2.3420E-01 |
| 1616.0 | 2.3248E-01 | 2.3050E-01 | 2.2395E-01 |
| 1617.0 | 2.3644E-01 | 2.3465E-01 | 2.2798E-01 |
| 1618.0 | 2.4415E-01 | 2.4352E-01 | 2.3660E-01 |
| 1619.0 | 2.4224E-01 | 2.4100E-01 | 2.3415E-01 |
| 1620.0 | 2.3407E-01 | 2.3449E-01 | 2.2783E-01 |
| 1621.0 | 2.3386E-01 | 2.3430E-01 | 2.2765E-01 |
| 1622.0 | 2.3702E-01 | 2.3754E-01 | 2.3081E-01 |
| 1623.0 | 2.4166E-01 | 2.4246E-01 | 2.3559E-01 |
| 1624.0 | 2.4240E-01 | 2.4269E-01 | 2.3582E-01 |
| 1625.0 | 2.3746E-01 | 2.3782E-01 | 2.3109E-01 |
| 1626.0 | 2.3958E-01 | 2.3971E-01 | 2.3294E-01 |
| 1627.0 | 2.4037E-01 | 2.4078E-01 | 2.3398E-01 |
| 1628.0 | 2.4149E-01 | 2.4126E-01 | 2.3446E-01 |
| 1629.0 | 2.4111E-01 | 2.4137E-01 | 2.3456E-01 |
| 1630.0 | 2.3655E-01 | 2.3651E-01 | 2.2984E-01 |
| 1631.0 | 2.3932E-01 | 2.3806E-01 | 2.3136E-01 |
| 1632.0 | 2.3884E-01 | 2.3821E-01 | 2.3151E-01 |
| 1633.0 | 2.3585E-01 | 2.3267E-01 | 2.2614E-01 |
| 1634.0 | 2.3276E-01 | 2.3282E-01 | 2.2628E-01 |
| 1635.0 | 2.3735E-01 | 2.3367E-01 | 2.2712E-01 |
| 1636.0 | 2.3676E-01 | 2.3539E-01 | 2.2879E-01 |
| 1637.0 | 2.2747E-01 | 2.2700E-01 | 2.2064E-01 |
| 1638.0 | 2.2708E-01 | 2.2007E-01 | 2.1393E-01 |
| 1639.0 | 2.2205E-01 | 2.2026E-01 | 2.1410E-01 |
| 1640.0 | 2.2571E-01 | 2.1511E-01 | 2.0913E-01 |
| 1641.0 | 2.2393E-01 | 2.1960E-01 | 2.1348E-01 |
| 1642.0 | 2.2402E-01 | 2.2082E-01 | 2.1467E-01 |
| 1643.0 | 2.2879E-01 | 2.1535E-01 | 2.0939E-01 |
| 1644.0 | 2.2572E-01 | 2.2355E-01 | 2.1733E-01 |
| 1645.0 | 2.2512E-01 | 2.1822E-01 | 2.1216E-01 |
| 1646.0 | 2.2899E-01 | 2.1749E-01 | 2.1147E-01 |
| 1647.0 | 2.2910E-01 | 2.2768E-01 | 2.2135E-01 |
| 1648.0 | 2.2898E-01 | 2.1655E-01 | 2.1057E-01 |
| 1649.0 | 2.2354E-01 | 2.1867E-01 | 2.1261E-01 |
| 1650.0 | 2.2840E-01 | 2.2526E-01 | 2.1902E-01 |
| 1651.0 | 2.2369E-01 | 2.0855E-01 | 2.0281E-01 |
| 1652.0 | 2.2802E-01 | 2.2373E-01 | 2.1754E-01 |
| 1653.0 | 2.2533E-01 | 2.2277E-01 | 2.1661E-01 |
| 1654.0 | 2.2654E-01 | 2.1583E-01 | 2.0991E-01 |
| 1655.0 | 2.2390E-01 | 2.2231E-01 | 2.1619E-01 |
| 1656.0 | 2.2607E-01 | 2.2101E-01 | 2.1494E-01 |
| 1657.0 | 2.2564E-01 | 2.2223E-01 | 2.1613E-01 |
| 1658.0 | 2.2532E-01 | 2.2487E-01 | 2.1870E-01 |
| 1659.0 | 2.2221E-01 | 2.2120E-01 | 2.1514E-01 |
| 1660.0 | 2.2412E-01 | 2.2332E-01 | 2.1721E-01 |
| 1661.0 | 2.2543E-01 | 2.2384E-01 | 2.1774E-01 |
| 1662.0 | 2.2421E-01 | 2.1908E-01 | 2.1313E-01 |
| 1663.0 | 2.2265E-01 | 2.2235E-01 | 2.1630E-01 |
| 1664.0 | 2.2252E-01 | 2.2098E-01 | 2.1498E-01 |

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| 1665.0 | 2.2137E-01 | 2.1178E-01 | 2.0607E-01 |
| 1666.0 | 2.1853E-01 | 1.7884E-01 | 1.7411E-01 |
| 1667.0 | 2.2016E-01 | 2.1068E-01 | 2.0502E-01 |
| 1668.0 | 2.1617E-01 | 2.1459E-01 | 2.0881E-01 |
| 1669.0 | 2.1809E-01 | 2.1516E-01 | 2.0939E-01 |
| 1670.0 | 2.2208E-01 | 2.2168E-01 | 2.1573E-01 |
| 1671.0 | 2.2096E-01 | 2.1879E-01 | 2.1294E-01 |
| 1672.0 | 2.1210E-01 | 2.1147E-01 | 2.0582E-01 |
| 1673.0 | 2.1606E-01 | 2.1629E-01 | 2.1052E-01 |
| 1674.0 | 2.1907E-01 | 2.1575E-01 | 2.1002E-01 |
| 1675.0 | 2.1621E-01 | 2.1360E-01 | 2.0793E-01 |
| 1676.0 | 2.1319E-01 | 2.1145E-01 | 2.0584E-01 |
| 1677.0 | 2.1548E-01 | 2.1229E-01 | 2.0668E-01 |
| 1678.0 | 2.1585E-01 | 2.0915E-01 | 2.0365E-01 |
| 1679.0 | 2.1295E-01 | 2.1303E-01 | 2.0741E-01 |
| 1680.0 | 2.0641E-01 | 2.0558E-01 | 2.0017E-01 |
| 1681.0 | 1.9848E-01 | 1.9447E-01 | 1.8936E-01 |
| 1682.0 | 2.0341E-01 | 2.0366E-01 | 1.9830E-01 |
| 1683.0 | 2.0893E-01 | 2.0906E-01 | 2.0357E-01 |
| 1684.0 | 2.1198E-01 | 1.9797E-01 | 1.9283E-01 |
| 1685.0 | 2.1306E-01 | 2.1321E-01 | 2.0763E-01 |
| 1686.0 | 2.1026E-01 | 2.1026E-01 | 2.0476E-01 |
| 1687.0 | 2.1123E-01 | 2.0484E-01 | 1.9951E-01 |
| 1688.0 | 2.1081E-01 | 2.1013E-01 | 2.0465E-01 |
| 1689.0 | 2.0805E-01 | 2.0718E-01 | 2.0178E-01 |
| 1690.0 | 2.0845E-01 | 2.0523E-01 | 1.9991E-01 |
| 1691.0 | 2.1203E-01 | 1.9303E-01 | 1.8808E-01 |
| 1692.0 | 2.1211E-01 | 2.0708E-01 | 2.0174E-01 |
| 1693.0 | 2.1122E-01 | 2.1134E-01 | 2.0587E-01 |
| 1694.0 | 2.1068E-01 | 2.0477E-01 | 1.9950E-01 |
| 1695.0 | 2.1055E-01 | 2.0968E-01 | 2.0427E-01 |
| 1696.0 | 2.0962E-01 | 2.0922E-01 | 2.0383E-01 |
| 1697.0 | 2.0850E-01 | 1.8107E-01 | 1.7649E-01 |
| 1698.0 | 2.0879E-01 | 2.0739E-01 | 2.0207E-01 |
| 1699.0 | 2.0804E-01 | 2.0551E-01 | 2.0024E-01 |
| 1700.0 | 2.0539E-01 | 1.9975E-01 | 1.9464E-01 |
| 1702.0 | 2.0520E-01 | 2.0396E-01 | 1.9874E-01 |
| 1705.0 | 2.0428E-01 | 1.9778E-01 | 1.9275E-01 |
| 1710.0 | 1.9894E-01 | 1.8790E-01 | 1.8316E-01 |
| 1715.0 | 2.0189E-01 | 1.8965E-01 | 1.8490E-01 |
| 1720.0 | 1.9799E-01 | 1.8698E-01 | 1.8231E-01 |
| 1725.0 | 1.9688E-01 | 1.7808E-01 | 1.7367E-01 |
| 1730.0 | 1.9309E-01 | 1.7407E-01 | 1.6979E-01 |
| 1735.0 | 1.8200E-01 | 1.6154E-01 | 1.5758E-01 |
| 1740.0 | 1.9001E-01 | 1.6818E-01 | 1.6405E-01 |
| 1745.0 | 1.8624E-01 | 1.5481E-01 | 1.5105E-01 |
| 1750.0 | 1.8518E-01 | 1.6566E-01 | 1.6162E-01 |
| 1755.0 | 1.8509E-01 | 1.5301E-01 | 1.4931E-01 |
| 1760.0 | 1.8243E-01 | 1.5998E-01 | 1.5608E-01 |
| 1765.0 | 1.8143E-01 | 1.3284E-01 | 1.2967E-01 |
| 1770.0 | 1.7969E-01 | 1.4172E-01 | 1.3831E-01 |
| 1775.0 | 1.7600E-01 | 1.1484E-01 | 1.1213E-01 |

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| 1780.0 | 1.7553E-01 | 1.0050E-01 | 9.8143E-02 |
| 1785.0 | 1.7411E-01 | 7.6981E-02 | 7.5201E-02 |
| 1790.0 | 1.7371E-01 | 8.8904E-02 | 8.6831E-02 |
| 1795.0 | 1.7102E-01 | 4.6931E-02 | 4.5864E-02 |
| 1800.0 | 1.6800E-01 | 3.1828E-02 | 3.1112E-02 |
| 1805.0 | 1.6884E-01 | 1.4815E-02 | 1.4485E-02 |
| 1810.0 | 1.6859E-01 | 9.6911E-03 | 9.4762E-03 |
| 1815.0 | 1.5500E-01 | 3.2816E-03 | 3.2093E-03 |
| 1820.0 | 1.6000E-01 | 9.8755E-04 | 9.6578E-04 |
| 1825.0 | 1.6257E-01 | 1.2744E-03 | 1.2463E-03 |
| 1830.0 | 1.5921E-01 | 5.2041E-06 | 5.0896E-06 |
| 1835.0 | 1.5760E-01 | 6.4190E-06 | 6.2784E-06 |
| 1840.0 | 1.5552E-01 | 6.2703E-08 | 6.1337E-08 |
| 1845.0 | 1.5288E-01 | 6.2658E-06 | 6.1298E-06 |
| 1850.0 | 1.5337E-01 | 2.9993E-06 | 2.9348E-06 |
| 1855.0 | 1.5126E-01 | 2.8396E-07 | 2.7795E-07 |
| 1860.0 | 1.4933E-01 | 1.1151E-05 | 1.0920E-05 |
| 1865.0 | 1.4710E-01 | 1.6982E-05 | 1.6644E-05 |
| 1870.0 | 1.4565E-01 | 2.6662E-10 | 2.6148E-10 |
| 1875.0 | 1.3231E-01 | 4.5130E-10 | 4.4296E-10 |
| 1880.0 | 1.4667E-01 | 7.7505E-05 | 7.6123E-05 |
| 1885.0 | 1.4573E-01 | 4.3890E-05 | 4.3129E-05 |
| 1890.0 | 1.4041E-01 | 2.2333E-04 | 2.1956E-04 |
| 1895.0 | 1.3842E-01 | 1.2947E-04 | 1.2743E-04 |
| 1900.0 | 1.4041E-01 | 8.6221E-07 | 8.4916E-07 |
| 1905.0 | 1.3904E-01 | 5.6667E-07 | 5.5798E-07 |
| 1910.0 | 1.3654E-01 | 2.3045E-05 | 2.2726E-05 |
| 1915.0 | 1.3611E-01 | 1.9947E-05 | 1.9673E-05 |
| 1920.0 | 1.3463E-01 | 4.5069E-04 | 4.4451E-04 |
| 1925.0 | 1.3447E-01 | 9.3615E-04 | 9.2326E-04 |
| 1930.0 | 1.3145E-01 | 5.5242E-04 | 5.4474E-04 |
| 1935.0 | 1.3243E-01 | 3.5935E-03 | 3.5428E-03 |
| 1940.0 | 1.2950E-01 | 3.2821E-03 | 3.2357E-03 |
| 1945.0 | 1.1950E-01 | 1.0863E-02 | 1.0707E-02 |
| 1950.0 | 1.2627E-01 | 1.6727E-02 | 1.6482E-02 |
| 1955.0 | 1.2833E-01 | 1.0036E-02 | 9.8860E-03 |
| 1960.0 | 1.2610E-01 | 2.1906E-02 | 2.1569E-02 |
| 1965.0 | 1.2291E-01 | 2.8563E-02 | 2.8114E-02 |
| 1970.0 | 1.2375E-01 | 4.8847E-02 | 4.8055E-02 |
| 1975.0 | 1.2150E-01 | 6.7857E-02 | 6.6730E-02 |
| 1980.0 | 1.1968E-01 | 7.5512E-02 | 7.4234E-02 |
| 1985.0 | 1.1902E-01 | 8.3063E-02 | 8.1625E-02 |
| 1990.0 | 1.1977E-01 | 8.5613E-02 | 8.4124E-02 |
| 1995.0 | 1.1684E-01 | 8.1190E-02 | 7.9787E-02 |
| 2000.0 | 1.1673E-01 | 3.8156E-02 | 3.7491E-02 |
| 2005.0 | 1.1501E-01 | 1.5001E-02 | 1.4747E-02 |
| 2010.0 | 1.1512E-01 | 3.9748E-02 | 3.9071E-02 |
| 2015.0 | 1.1399E-01 | 2.6648E-02 | 2.6208E-02 |
| 2020.0 | 1.1192E-01 | 4.4981E-02 | 4.4239E-02 |
| 2025.0 | 1.1176E-01 | 7.4010E-02 | 7.2779E-02 |
| 2030.0 | 1.0969E-01 | 8.4856E-02 | 8.3460E-02 |
| 2035.0 | 1.0915E-01 | 9.6386E-02 | 9.4808E-02 |

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| 2040.0 | 1.0720E-01 | 8.9781E-02 | 8.8344E-02 |
| 2045.0 | 1.0756E-01 | 9.1074E-02 | 8.9636E-02 |
| 2050.0 | 1.0592E-01 | 6.7927E-02 | 6.6892E-02 |
| 2055.0 | 1.0471E-01 | 5.4906E-02 | 5.4090E-02 |
| 2060.0 | 1.0320E-01 | 6.9193E-02 | 6.8157E-02 |
| 2065.0 | 1.0182E-01 | 6.1875E-02 | 6.0962E-02 |
| 2070.0 | 1.0095E-01 | 6.5676E-02 | 6.4715E-02 |
| 2075.0 | 1.0095E-01 | 7.7443E-02 | 7.6305E-02 |
| 2080.0 | 9.9330E-02 | 8.6812E-02 | 8.5528E-02 |
| 2085.0 | 9.8300E-02 | 8.5102E-02 | 8.3847E-02 |
| 2090.0 | 9.7540E-02 | 8.9100E-02 | 8.7779E-02 |
| 2095.0 | 9.5990E-02 | 8.9747E-02 | 8.8421E-02 |
| 2100.0 | 9.6240E-02 | 8.6133E-02 | 8.4869E-02 |
| 2105.0 | 9.5750E-02 | 9.3153E-02 | 9.1771E-02 |
| 2110.0 | 9.4630E-02 | 8.9654E-02 | 8.8320E-02 |
| 2115.0 | 9.3850E-02 | 9.1673E-02 | 9.0308E-02 |
| 2120.0 | 9.3140E-02 | 8.7588E-02 | 8.6281E-02 |
| 2125.0 | 9.2180E-02 | 8.8632E-02 | 8.7303E-02 |
| 2130.0 | 9.2380E-02 | 8.9774E-02 | 8.8422E-02 |
| 2135.0 | 9.1120E-02 | 9.0044E-02 | 8.8679E-02 |
| 2140.0 | 9.1050E-02 | 9.0767E-02 | 8.9390E-02 |
| 2145.0 | 8.9940E-02 | 8.9486E-02 | 8.8132E-02 |
| 2150.0 | 8.9710E-02 | 8.4639E-02 | 8.3369E-02 |
| 2155.0 | 8.8880E-02 | 8.4840E-02 | 8.3566E-02 |
| 2160.0 | 8.7890E-02 | 8.4170E-02 | 8.2912E-02 |
| 2165.0 | 8.2000E-02 | 7.6310E-02 | 7.5175E-02 |
| 2170.0 | 8.5370E-02 | 8.1996E-02 | 8.0776E-02 |
| 2175.0 | 8.5760E-02 | 8.0448E-02 | 7.9257E-02 |
| 2180.0 | 8.4640E-02 | 8.1808E-02 | 8.0597E-02 |
| 2185.0 | 8.4680E-02 | 7.4550E-02 | 7.3458E-02 |
| 2190.0 | 8.3140E-02 | 7.9068E-02 | 7.7905E-02 |
| 2195.0 | 8.3470E-02 | 7.8992E-02 | 7.7833E-02 |
| 2200.0 | 8.2790E-02 | 7.1202E-02 | 7.0175E-02 |
| 2205.0 | 8.0900E-02 | 7.4010E-02 | 7.2947E-02 |
| 2210.0 | 8.0810E-02 | 7.9315E-02 | 7.8174E-02 |
| 2215.0 | 8.0410E-02 | 7.6273E-02 | 7.5189E-02 |
| 2220.0 | 7.9990E-02 | 7.7730E-02 | 7.6631E-02 |
| 2225.0 | 7.8840E-02 | 7.5453E-02 | 7.4400E-02 |
| 2230.0 | 7.8400E-02 | 7.5773E-02 | 7.4727E-02 |
| 2235.0 | 7.7930E-02 | 7.4299E-02 | 7.3290E-02 |
| 2240.0 | 7.6510E-02 | 7.3118E-02 | 7.2140E-02 |
| 2245.0 | 7.6250E-02 | 7.0838E-02 | 6.9911E-02 |
| 2250.0 | 7.5370E-02 | 7.1937E-02 | 7.1034E-02 |
| 2255.0 | 7.4340E-02 | 6.7690E-02 | 6.6865E-02 |
| 2260.0 | 7.4090E-02 | 6.6929E-02 | 6.6143E-02 |
| 2265.0 | 7.3280E-02 | 6.8137E-02 | 6.7355E-02 |
| 2270.0 | 7.3100E-02 | 6.4867E-02 | 6.4138E-02 |
| 2275.0 | 7.2630E-02 | 6.4021E-02 | 6.3309E-02 |
| 2280.0 | 7.1390E-02 | 6.6288E-02 | 6.5551E-02 |
| 2285.0 | 7.1380E-02 | 6.3080E-02 | 6.2389E-02 |
| 2290.0 | 7.1190E-02 | 6.3220E-02 | 6.2534E-02 |
| 2295.0 | 6.9300E-02 | 6.1265E-02 | 6.0603E-02 |

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| 2300.0 | 6.9640E-02 | 5.8824E-02 | 5.8193E-02 |
| 2305.0 | 6.9400E-02 | 5.9171E-02 | 5.8544E-02 |
| 2310.0 | 6.8900E-02 | 6.3870E-02 | 6.3189E-02 |
| 2315.0 | 6.8150E-02 | 5.8141E-02 | 5.7528E-02 |
| 2320.0 | 6.7630E-02 | 5.2031E-02 | 5.1489E-02 |
| 2325.0 | 6.5560E-02 | 5.6215E-02 | 5.5626E-02 |
| 2330.0 | 6.6220E-02 | 5.6824E-02 | 5.6231E-02 |
| 2335.0 | 6.5720E-02 | 5.7967E-02 | 5.7362E-02 |
| 2340.0 | 6.5220E-02 | 4.5836E-02 | 4.5366E-02 |
| 2345.0 | 6.5100E-02 | 5.1400E-02 | 5.0869E-02 |
| 2350.0 | 6.4340E-02 | 4.1536E-02 | 4.1115E-02 |
| 2355.0 | 6.2600E-02 | 4.7473E-02 | 4.6988E-02 |
| 2360.0 | 6.3070E-02 | 5.0237E-02 | 4.9724E-02 |
| 2365.0 | 6.3010E-02 | 4.9409E-02 | 4.8909E-02 |
| 2370.0 | 6.2390E-02 | 3.0817E-02 | 3.0514E-02 |
| 2375.0 | 6.1410E-02 | 4.4147E-02 | 4.3704E-02 |
| 2380.0 | 6.1810E-02 | 4.2552E-02 | 4.2128E-02 |
| 2385.0 | 5.9130E-02 | 3.0826E-02 | 3.0525E-02 |
| 2390.0 | 6.0360E-02 | 3.7109E-02 | 3.6748E-02 |
| 2395.0 | 6.0070E-02 | 4.0594E-02 | 4.0199E-02 |
| 2400.0 | 5.9740E-02 | 4.4150E-02 | 4.3726E-02 |
| 2405.0 | 5.9440E-02 | 3.3599E-02 | 3.3286E-02 |
| 2410.0 | 5.9150E-02 | 3.3813E-02 | 3.3504E-02 |
| 2415.0 | 5.6980E-02 | 2.7300E-02 | 2.7058E-02 |
| 2420.0 | 5.7820E-02 | 2.6590E-02 | 2.6358E-02 |
| 2425.0 | 5.7330E-02 | 3.3078E-02 | 3.2802E-02 |
| 2430.0 | 5.7190E-02 | 4.5099E-02 | 4.4725E-02 |
| 2435.0 | 5.6470E-02 | 1.4878E-02 | 1.4765E-02 |
| 2440.0 | 5.6270E-02 | 4.3249E-02 | 4.2926E-02 |
| 2445.0 | 5.5560E-02 | 2.0798E-02 | 2.0657E-02 |
| 2450.0 | 5.4590E-02 | 1.3611E-02 | 1.3523E-02 |
| 2455.0 | 5.4160E-02 | 2.4853E-02 | 2.4695E-02 |
| 2460.0 | 5.4510E-02 | 3.3363E-02 | 3.3157E-02 |
| 2465.0 | 5.4300E-02 | 2.4148E-02 | 2.4009E-02 |
| 2470.0 | 5.3400E-02 | 1.6727E-02 | 1.6635E-02 |
| 2475.0 | 5.3370E-02 | 1.6455E-02 | 1.6368E-02 |
| 2480.0 | 5.2100E-02 | 8.0395E-03 | 7.9996E-03 |
| 2485.0 | 5.1770E-02 | 5.6102E-03 | 5.5840E-03 |
| 2490.0 | 5.2220E-02 | 3.5113E-03 | 3.4957E-03 |
| 2495.0 | 4.8890E-02 | 2.8772E-03 | 2.8647E-03 |
| 2500.0 | 5.1380E-02 | 7.0642E-03 | 7.0328E-03 |
| 2505.0 | 5.0820E-02 | 1.5191E-03 | 1.5124E-03 |
| 2510.0 | 4.9600E-02 | 2.2163E-03 | 2.2063E-03 |
| 2515.0 | 4.8760E-02 | 5.1880E-04 | 5.1644E-04 |
| 2520.0 | 4.8140E-02 | 3.7054E-04 | 3.6879E-04 |
| 2525.0 | 4.7650E-02 | 4.1393E-05 | 4.1194E-05 |
| 2530.0 | 4.7700E-02 | 6.3593E-07 | 6.3279E-07 |
| 2535.0 | 4.7120E-02 | 1.7502E-07 | 1.7415E-07 |
| 2540.0 | 4.6770E-02 | 3.7716E-07 | 3.7521E-07 |
| 2545.0 | 4.6610E-02 | 5.3758E-11 | 5.3469E-11 |
| 2550.0 | 4.6260E-02 | 2.8222E-13 | 2.8066E-13 |
| 2555.0 | 4.5930E-02 | 1.0435E-09 | 1.0377E-09 |

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| 2560.0 | 4.5400E-02 | 3.1020E-11 | 3.0842E-11 |
| 2565.0 | 4.5160E-02 | 1.5955E-14 | 1.5846E-14 |
| 2570.0 | 4.4850E-02 | 1.5258E-18 | 1.5151E-18 |
| 2575.0 | 4.4480E-02 | 1.0786E-27 | 1.0708E-27 |
| 2580.0 | 4.4100E-02 | 3.8214E-22 | 3.7933E-22 |
| 2585.0 | 4.3270E-02 | 1.7194E-34 | 1.7064E-34 |
| 2590.0 | 4.3410E-02 | 5.4793E-31 | 5.4369E-31 |
| 2595.0 | 4.3040E-02 | 2.2838E-33 | 2.2666E-33 |
| 2600.0 | 4.2910E-02 | 4.4912E-28 | 4.4556E-28 |
| 2605.0 | 4.2800E-02 | 5.8053E-35 | 5.7592E-35 |
| 2610.0 | 4.2500E-02 | 5.9447E-34 | 5.8970E-34 |
| 2615.0 | 4.2280E-02 | 1.1196E-37 | 1.1106E-37 |
| 2620.0 | 4.1900E-02 | 5.6505E-29 | 5.6056E-29 |
| 2625.0 | 4.0580E-02 | 3.8687E-28 | 3.8378E-28 |
| 2630.0 | 4.1160E-02 | 2.8026E-45 | 2.8026E-45 |
| 2635.0 | 4.0960E-02 | 3.9027E-16 | 3.8719E-16 |
| 2640.0 | 4.0220E-02 | 1.1750E-16 | 1.1657E-16 |
| 2645.0 | 4.0180E-02 | 8.9988E-19 | 8.9292E-19 |
| 2650.0 | 3.9960E-02 | 1.4295E-19 | 1.4186E-19 |
| 2655.0 | 3.9590E-02 | 1.3133E-27 | 1.3036E-27 |
| 2660.0 | 3.9480E-02 | 2.6068E-25 | 2.5880E-25 |
| 2665.0 | 3.8950E-02 | 1.1123E-37 | 1.1045E-37 |
| 2670.0 | 3.9100E-02 | 0.0000E+00 | 0.0000E+00 |
| 2675.0 | 3.8610E-02 | 0.0000E+00 | 0.0000E+00 |
| 2680.0 | 3.8430E-02 | 0.0000E+00 | 0.0000E+00 |
| 2685.0 | 3.8160E-02 | 0.0000E+00 | 0.0000E+00 |
| 2690.0 | 3.7790E-02 | 1.0226E-29 | 1.0178E-29 |
| 2695.0 | 3.7460E-02 | 7.1284E-33 | 7.1014E-33 |
| 2700.0 | 3.7120E-02 | 0.0000E+00 | 0.0000E+00 |
| 2705.0 | 3.6930E-02 | 2.9315E-42 | 2.9273E-42 |
| 2710.0 | 3.6680E-02 | 1.1250E-35 | 1.1239E-35 |
| 2715.0 | 3.6560E-02 | 3.8557E-26 | 3.8549E-26 |
| 2720.0 | 3.6380E-02 | 5.6052E-45 | 5.6052E-45 |
| 2725.0 | 3.6130E-02 | 7.2935E-22 | 7.3094E-22 |
| 2730.0 | 3.6010E-02 | 6.0734E-19 | 6.0929E-19 |
| 2735.0 | 3.5740E-02 | 5.4888E-21 | 5.5121E-21 |
| 2740.0 | 3.5530E-02 | 2.3314E-27 | 2.3435E-27 |
| 2745.0 | 3.5380E-02 | 1.3146E-23 | 1.3224E-23 |
| 2750.0 | 3.5180E-02 | 1.6648E-28 | 1.6758E-28 |
| 2755.0 | 3.4860E-02 | 6.7262E-44 | 6.7262E-44 |
| 2760.0 | 3.4550E-02 | 0.0000E+00 | 0.0000E+00 |
| 2765.0 | 3.4400E-02 | 2.6777E-27 | 2.7001E-27 |
| 2770.0 | 3.4260E-02 | 8.3791E-24 | 8.4528E-24 |
| 2775.0 | 3.3930E-02 | 3.9990E-38 | 4.0360E-38 |
| 2780.0 | 3.3640E-02 | 4.8067E-34 | 4.8532E-34 |
| 2785.0 | 3.3420E-02 | 3.8866E-27 | 3.9255E-27 |
| 2790.0 | 3.3200E-02 | 1.2170E-16 | 1.2295E-16 |
| 2795.0 | 3.2930E-02 | 3.6205E-16 | 3.6591E-16 |
| 2800.0 | 3.2760E-02 | 1.6484E-12 | 1.6665E-12 |
| 2805.0 | 3.2530E-02 | 6.7478E-14 | 6.8228E-14 |
| 2810.0 | 3.2420E-02 | 4.0233E-10 | 4.0695E-10 |
| 2815.0 | 3.2260E-02 | 2.8685E-10 | 2.9018E-10 |

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|--------|------------|------------|------------|
| 2820.0 | 3.2060E-02 | 2.0548E-11 | 2.0789E-11 |
| 2825.0 | 3.1840E-02 | 1.7605E-07 | 1.7814E-07 |
| 2830.0 | 3.1700E-02 | 3.9008E-06 | 3.9475E-06 |
| 2835.0 | 3.1450E-02 | 2.1276E-10 | 2.1533E-10 |
| 2840.0 | 3.1180E-02 | 1.9609E-07 | 1.9849E-07 |
| 2845.0 | 3.0950E-02 | 4.0575E-05 | 4.1074E-05 |
| 2850.0 | 3.0680E-02 | 1.1566E-06 | 1.1708E-06 |
| 2855.0 | 3.0430E-02 | 4.4867E-07 | 4.5425E-07 |
| 2860.0 | 3.0160E-02 | 2.5356E-05 | 2.5672E-05 |
| 2865.0 | 2.9960E-02 | 1.6763E-04 | 1.6974E-04 |
| 2870.0 | 2.9600E-02 | 6.3129E-06 | 6.3922E-06 |
| 2875.0 | 2.9400E-02 | 3.9170E-04 | 3.9663E-04 |
| 2880.0 | 2.9400E-02 | 2.4724E-04 | 2.5037E-04 |
| 2885.0 | 2.9220E-02 | 4.5332E-04 | 4.5906E-04 |
| 2890.0 | 2.9070E-02 | 1.8623E-04 | 1.8860E-04 |
| 2895.0 | 2.8960E-02 | 2.6643E-03 | 2.6982E-03 |
| 2900.0 | 2.8810E-02 | 8.1152E-04 | 8.2183E-04 |
| 2905.0 | 2.8670E-02 | 1.1096E-04 | 1.1237E-04 |
| 2910.0 | 2.8500E-02 | 2.7220E-03 | 2.7566E-03 |
| 2915.0 | 2.8220E-02 | 1.2581E-03 | 1.2742E-03 |
| 2920.0 | 2.8040E-02 | 2.8948E-03 | 2.9316E-03 |
| 2925.0 | 2.7780E-02 | 1.0835E-03 | 1.0973E-03 |
| 2930.0 | 2.7570E-02 | 5.8858E-03 | 5.9606E-03 |
| 2935.0 | 2.7330E-02 | 6.4903E-03 | 6.5725E-03 |
| 2940.0 | 2.7140E-02 | 1.6273E-03 | 1.6479E-03 |
| 2945.0 | 2.6840E-02 | 1.4489E-03 | 1.4673E-03 |
| 2950.0 | 2.6680E-02 | 5.2276E-03 | 5.2935E-03 |
| 2955.0 | 2.6560E-02 | 2.3361E-03 | 2.3655E-03 |
| 2960.0 | 2.6380E-02 | 4.5971E-03 | 4.6549E-03 |
| 2965.0 | 2.6260E-02 | 7.4379E-03 | 7.5313E-03 |
| 2970.0 | 2.6120E-02 | 3.5233E-04 | 3.5676E-04 |
| 2975.0 | 2.6010E-02 | 8.5429E-04 | 8.6499E-04 |
| 2980.0 | 2.5800E-02 | 1.3381E-03 | 1.3548E-03 |
| 2985.0 | 2.5690E-02 | 6.9628E-03 | 7.0495E-03 |
| 2990.0 | 2.5540E-02 | 1.0280E-02 | 1.0407E-02 |
| 2995.0 | 2.5400E-02 | 4.2755E-03 | 4.3286E-03 |
| 3000.0 | 2.5250E-02 | 7.8472E-03 | 7.9442E-03 |
| 3005.0 | 2.5120E-02 | 2.8906E-03 | 2.9261E-03 |
| 3010.0 | 2.4980E-02 | 6.8479E-03 | 6.9320E-03 |
| 3015.0 | 2.4860E-02 | 5.5551E-03 | 5.6232E-03 |
| 3020.0 | 2.4660E-02 | 6.3369E-04 | 6.4143E-04 |
| 3025.0 | 2.4540E-02 | 7.5031E-03 | 7.5948E-03 |
| 3030.0 | 2.4420E-02 | 6.0753E-03 | 6.1491E-03 |
| 3035.0 | 2.4210E-02 | 2.4986E-03 | 2.5290E-03 |
| 3040.0 | 2.3930E-02 | 2.0242E-03 | 2.0487E-03 |
| 3045.0 | 2.4020E-02 | 4.2090E-03 | 4.2599E-03 |
| 3050.0 | 2.3950E-02 | 1.0321E-03 | 1.0446E-03 |
| 3055.0 | 2.3860E-02 | 2.8947E-04 | 2.9295E-04 |
| 3060.0 | 2.3760E-02 | 6.3012E-03 | 6.3761E-03 |
| 3065.0 | 2.3540E-02 | 2.9113E-03 | 2.9458E-03 |
| 3070.0 | 2.3440E-02 | 1.7492E-03 | 1.7699E-03 |
| 3075.0 | 2.3350E-02 | 6.0221E-03 | 6.0928E-03 |

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| 3080.0 | 2.3150E-02 | 3.6224E-03 | 3.6646E-03 |
| 3085.0 | 2.2950E-02 | 1.7671E-03 | 1.7876E-03 |
| 3090.0 | 2.2800E-02 | 2.3805E-03 | 2.4080E-03 |
| 3095.0 | 2.2630E-02 | 6.5510E-04 | 6.6266E-04 |
| 3100.0 | 2.2430E-02 | 4.4010E-03 | 4.4513E-03 |
| 3105.0 | 2.2280E-02 | 9.2155E-04 | 9.3203E-04 |
| 3110.0 | 2.2110E-02 | 8.4569E-04 | 8.5524E-04 |
| 3115.0 | 2.1770E-02 | 2.2677E-03 | 2.2932E-03 |
| 3120.0 | 2.1740E-02 | 9.8197E-03 | 9.9294E-03 |
| 3125.0 | 2.1580E-02 | 3.0289E-03 | 3.0625E-03 |
| 3130.0 | 2.1450E-02 | 5.7614E-03 | 5.8246E-03 |
| 3135.0 | 2.1360E-02 | 1.1446E-02 | 1.1571E-02 |
| 3140.0 | 2.1180E-02 | 3.3241E-03 | 3.3603E-03 |
| 3145.0 | 2.1070E-02 | 3.2517E-03 | 3.2869E-03 |
| 3150.0 | 2.0880E-02 | 6.6744E-03 | 6.7457E-03 |
| 3155.0 | 2.0830E-02 | 5.6366E-03 | 5.6965E-03 |
| 3160.0 | 2.0730E-02 | 9.2320E-03 | 9.3294E-03 |
| 3165.0 | 2.0660E-02 | 1.4017E-02 | 1.4163E-02 |
| 3170.0 | 2.0520E-02 | 1.2516E-02 | 1.2645E-02 |
| 3175.0 | 2.0470E-02 | 9.2302E-03 | 9.3252E-03 |
| 3180.0 | 2.0320E-02 | 1.0621E-02 | 1.0730E-02 |
| 3185.0 | 2.0240E-02 | 8.0823E-03 | 8.1644E-03 |
| 3190.0 | 2.0190E-02 | 4.2388E-03 | 4.2817E-03 |
| 3195.0 | 2.0080E-02 | 2.6927E-03 | 2.7197E-03 |
| 3200.0 | 1.9940E-02 | 4.3843E-04 | 4.4280E-04 |
| 3205.0 | 1.9860E-02 | 3.0973E-04 | 3.1280E-04 |
| 3210.0 | 1.9760E-02 | 1.3634E-04 | 1.3768E-04 |
| 3215.0 | 1.9620E-02 | 4.9752E-04 | 5.0237E-04 |
| 3220.0 | 1.9540E-02 | 1.6089E-03 | 1.6245E-03 |
| 3225.0 | 1.9420E-02 | 1.9875E-04 | 2.0066E-04 |
| 3230.0 | 1.9380E-02 | 3.4080E-04 | 3.4404E-04 |
| 3235.0 | 1.9260E-02 | 7.2940E-03 | 7.3625E-03 |
| 3240.0 | 1.9210E-02 | 3.7464E-03 | 3.7816E-03 |
| 3245.0 | 1.9100E-02 | 7.3409E-04 | 7.4096E-04 |
| 3250.0 | 1.9090E-02 | 2.6067E-03 | 2.6308E-03 |
| 3255.0 | 1.8900E-02 | 9.9378E-03 | 1.0029E-02 |
| 3260.0 | 1.8800E-02 | 1.2248E-03 | 1.2360E-03 |
| 3265.0 | 1.8700E-02 | 2.4465E-03 | 2.4686E-03 |
| 3270.0 | 1.8600E-02 | 1.2186E-03 | 1.2292E-03 |
| 3275.0 | 1.8480E-02 | 5.9265E-03 | 5.9758E-03 |
| 3280.0 | 1.8370E-02 | 2.8644E-03 | 2.8890E-03 |
| 3285.0 | 1.8320E-02 | 1.1128E-02 | 1.1223E-02 |
| 3290.0 | 1.8260E-02 | 8.7571E-03 | 8.8310E-03 |
| 3295.0 | 1.8030E-02 | 1.2234E-03 | 1.2337E-03 |
| 3300.0 | 1.7920E-02 | 1.7794E-03 | 1.7944E-03 |
| 3305.0 | 1.7860E-02 | 3.9416E-03 | 3.9746E-03 |
| 3310.0 | 1.7700E-02 | 3.9235E-03 | 3.9565E-03 |
| 3315.0 | 1.7600E-02 | 1.6133E-05 | 1.6269E-05 |
| 3320.0 | 1.7300E-02 | 5.9987E-05 | 6.0496E-05 |
| 3325.0 | 1.7280E-02 | 3.5187E-03 | 3.5486E-03 |
| 3330.0 | 1.7130E-02 | 4.6616E-03 | 4.7014E-03 |
| 3335.0 | 1.7030E-02 | 9.0694E-03 | 9.1470E-03 |

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|--------|------------|------------|------------|
| 3340.0 | 1.6850E-02 | 3.4602E-03 | 3.4903E-03 |
| 3345.0 | 1.6780E-02 | 3.5408E-03 | 3.5722E-03 |
| 3350.0 | 1.6600E-02 | 8.0277E-03 | 8.0998E-03 |
| 3355.0 | 1.6500E-02 | 3.6308E-03 | 3.6642E-03 |
| 3360.0 | 1.6360E-02 | 5.2402E-03 | 5.2892E-03 |
| 3365.0 | 1.6290E-02 | 7.1907E-03 | 7.2591E-03 |
| 3370.0 | 1.6180E-02 | 3.9389E-03 | 3.9770E-03 |
| 3375.0 | 1.6110E-02 | 8.4560E-03 | 8.5388E-03 |
| 3380.0 | 1.6010E-02 | 5.1115E-03 | 5.1624E-03 |
| 3385.0 | 1.5980E-02 | 7.4896E-03 | 7.5650E-03 |
| 3390.0 | 1.5900E-02 | 9.8552E-03 | 9.9552E-03 |
| 3395.0 | 1.5800E-02 | 9.5465E-03 | 9.6446E-03 |
| 3400.0 | 1.5640E-02 | 1.2509E-02 | 1.2638E-02 |
| 3405.0 | 1.5650E-02 | 4.4594E-03 | 4.5061E-03 |
| 3410.0 | 1.5540E-02 | 7.0802E-03 | 7.1547E-03 |
| 3415.0 | 1.5470E-02 | 7.2774E-03 | 7.3543E-03 |
| 3420.0 | 1.5430E-02 | 1.3165E-02 | 1.3305E-02 |
| 3425.0 | 1.5320E-02 | 1.0006E-02 | 1.0112E-02 |
| 3430.0 | 1.5220E-02 | 8.6892E-03 | 8.7810E-03 |
| 3435.0 | 1.5150E-02 | 1.1553E-02 | 1.1673E-02 |
| 3440.0 | 1.5050E-02 | 8.0348E-03 | 8.1181E-03 |
| 3445.0 | 1.5020E-02 | 1.1318E-02 | 1.1434E-02 |
| 3450.0 | 1.4920E-02 | 1.1153E-02 | 1.1267E-02 |
| 3455.0 | 1.4880E-02 | 8.3089E-03 | 8.3938E-03 |
| 3460.0 | 1.4800E-02 | 1.2530E-02 | 1.2657E-02 |
| 3465.0 | 1.4760E-02 | 9.8179E-03 | 9.9163E-03 |
| 3470.0 | 1.4660E-02 | 1.2264E-02 | 1.2386E-02 |
| 3475.0 | 1.4560E-02 | 1.0943E-02 | 1.1051E-02 |
| 3480.0 | 1.4480E-02 | 1.1224E-02 | 1.1335E-02 |
| 3485.0 | 1.4450E-02 | 1.2094E-02 | 1.2212E-02 |
| 3490.0 | 1.4360E-02 | 1.0419E-02 | 1.0520E-02 |
| 3495.0 | 1.4320E-02 | 1.2265E-02 | 1.2383E-02 |
| 3500.0 | 1.4230E-02 | 1.1917E-02 | 1.2032E-02 |
| 3505.0 | 1.4150E-02 | 1.1809E-02 | 1.1923E-02 |
| 3510.0 | 1.4050E-02 | 1.1963E-02 | 1.2077E-02 |
| 3515.0 | 1.4020E-02 | 1.1494E-02 | 1.1598E-02 |
| 3520.0 | 1.3930E-02 | 1.2122E-02 | 1.2226E-02 |
| 3525.0 | 1.3890E-02 | 1.1428E-02 | 1.1523E-02 |
| 3530.0 | 1.3800E-02 | 1.1127E-02 | 1.1217E-02 |
| 3535.0 | 1.3760E-02 | 9.4556E-03 | 9.5305E-03 |
| 3540.0 | 1.3670E-02 | 9.0310E-03 | 9.1011E-03 |
| 3545.0 | 1.3660E-02 | 9.5432E-03 | 9.6154E-03 |
| 3550.0 | 1.3570E-02 | 1.0538E-02 | 1.0616E-02 |
| 3555.0 | 1.3450E-02 | 9.0581E-03 | 9.1245E-03 |
| 3560.0 | 1.3360E-02 | 1.0795E-02 | 1.0872E-02 |
| 3565.0 | 1.3360E-02 | 1.0851E-02 | 1.0928E-02 |
| 3570.0 | 1.3250E-02 | 8.3376E-03 | 8.3951E-03 |
| 3575.0 | 1.3180E-02 | 8.6444E-03 | 8.7028E-03 |
| 3580.0 | 1.3080E-02 | 1.0187E-02 | 1.0255E-02 |
| 3585.0 | 1.3050E-02 | 9.1671E-03 | 9.2282E-03 |
| 3590.0 | 1.2980E-02 | 9.4523E-03 | 9.5145E-03 |
| 3595.0 | 1.2940E-02 | 9.6700E-03 | 9.7329E-03 |

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| 3600.0 | 1.2850E-02 | 1.0262E-02 | 1.0328E-02 |
| 3605.0 | 1.2830E-02 | 1.0359E-02 | 1.0425E-02 |
| 3610.0 | 1.2740E-02 | 9.4787E-03 | 9.5385E-03 |
| 3615.0 | 1.2720E-02 | 9.4726E-03 | 9.5318E-03 |
| 3620.0 | 1.2640E-02 | 1.1614E-02 | 1.1686E-02 |
| 3625.0 | 1.2610E-02 | 1.0239E-02 | 1.0302E-02 |
| 3630.0 | 1.2510E-02 | 9.9550E-03 | 1.0016E-02 |
| 3635.0 | 1.2490E-02 | 1.0299E-02 | 1.0362E-02 |
| 3640.0 | 1.2400E-02 | 1.1480E-02 | 1.1549E-02 |
| 3645.0 | 1.2360E-02 | 1.0599E-02 | 1.0663E-02 |
| 3650.0 | 1.2280E-02 | 1.0123E-02 | 1.0183E-02 |
| 3655.0 | 1.2220E-02 | 1.0978E-02 | 1.1042E-02 |
| 3660.0 | 1.2150E-02 | 1.0914E-02 | 1.0978E-02 |
| 3665.0 | 1.2150E-02 | 1.0253E-02 | 1.0313E-02 |
| 3670.0 | 1.2040E-02 | 7.9003E-03 | 7.9464E-03 |
| 3675.0 | 1.2030E-02 | 4.8286E-03 | 4.8569E-03 |
| 3680.0 | 1.1890E-02 | 8.3312E-03 | 8.3789E-03 |
| 3685.0 | 1.1830E-02 | 9.4380E-03 | 9.4906E-03 |
| 3690.0 | 1.1770E-02 | 9.6922E-03 | 9.7458E-03 |
| 3695.0 | 1.1720E-02 | 1.0132E-02 | 1.0188E-02 |
| 3700.0 | 1.1550E-02 | 1.0878E-02 | 1.0937E-02 |
| 3705.0 | 1.1600E-02 | 1.0770E-02 | 1.0827E-02 |
| 3710.0 | 1.1510E-02 | 9.3640E-03 | 9.4130E-03 |
| 3715.0 | 1.1500E-02 | 9.2254E-03 | 9.2731E-03 |
| 3720.0 | 1.1440E-02 | 1.0376E-02 | 1.0429E-02 |
| 3725.0 | 1.1430E-02 | 1.0698E-02 | 1.0751E-02 |
| 3730.0 | 1.1340E-02 | 9.2707E-03 | 9.3169E-03 |
| 3735.0 | 1.1280E-02 | 8.5837E-03 | 8.6260E-03 |
| 3740.0 | 1.1080E-02 | 8.8494E-03 | 8.8923E-03 |
| 3745.0 | 1.1080E-02 | 1.0331E-02 | 1.0380E-02 |
| 3750.0 | 1.1040E-02 | 9.2903E-03 | 9.3341E-03 |
| 3755.0 | 1.1000E-02 | 8.9918E-03 | 9.0336E-03 |
| 3760.0 | 1.0940E-02 | 8.8633E-03 | 8.9041E-03 |
| 3765.0 | 1.0930E-02 | 8.5502E-03 | 8.5891E-03 |
| 3770.0 | 1.0860E-02 | 9.1243E-03 | 9.1649E-03 |
| 3775.0 | 1.0800E-02 | 9.0521E-03 | 9.0918E-03 |
| 3780.0 | 1.0740E-02 | 9.5746E-03 | 9.6158E-03 |
| 3785.0 | 1.0730E-02 | 8.8123E-03 | 8.8498E-03 |
| 3790.0 | 1.0630E-02 | 7.7564E-03 | 7.7891E-03 |
| 3795.0 | 1.0620E-02 | 8.8692E-03 | 8.9056E-03 |
| 3800.0 | 1.0530E-02 | 9.8592E-03 | 9.8988E-03 |
| 3805.0 | 1.0530E-02 | 9.3049E-03 | 9.3414E-03 |
| 3810.0 | 1.0430E-02 | 8.2451E-03 | 8.2771E-03 |
| 3815.0 | 1.0410E-02 | 7.7569E-03 | 7.7867E-03 |
| 3820.0 | 1.0340E-02 | 9.6550E-03 | 9.6908E-03 |
| 3825.0 | 1.0330E-02 | 9.5056E-03 | 9.5402E-03 |
| 3830.0 | 1.0250E-02 | 9.5925E-03 | 9.6268E-03 |
| 3835.0 | 1.0210E-02 | 7.6916E-03 | 7.7190E-03 |
| 3840.0 | 1.0150E-02 | 8.9756E-03 | 9.0066E-03 |
| 3845.0 | 1.0130E-02 | 8.7801E-03 | 8.8097E-03 |
| 3850.0 | 1.0050E-02 | 8.8274E-03 | 8.8569E-03 |
| 3855.0 | 1.0030E-02 | 8.5085E-03 | 8.5365E-03 |

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|--------|------------|------------|------------|
| 3860.0 | 9.9400E-03 | 7.9940E-03 | 8.0197E-03 |
| 3865.0 | 9.9100E-03 | 8.0989E-03 | 8.1248E-03 |
| 3870.0 | 9.8300E-03 | 7.3604E-03 | 7.3839E-03 |
| 3875.0 | 9.8300E-03 | 6.7620E-03 | 6.7832E-03 |
| 3880.0 | 9.7500E-03 | 6.5340E-03 | 6.5543E-03 |
| 3885.0 | 9.7000E-03 | 6.7717E-03 | 6.7926E-03 |
| 3890.0 | 9.7100E-03 | 6.8818E-03 | 6.9028E-03 |
| 3895.0 | 9.6200E-03 | 7.4760E-03 | 7.4983E-03 |
| 3900.0 | 9.6000E-03 | 7.9254E-03 | 7.9487E-03 |
| 3905.0 | 9.5900E-03 | 7.9269E-03 | 7.9500E-03 |
| 3910.0 | 9.5200E-03 | 7.1353E-03 | 7.1560E-03 |
| 3915.0 | 9.5000E-03 | 6.9868E-03 | 7.0070E-03 |
| 3920.0 | 9.4100E-03 | 6.9466E-03 | 6.9665E-03 |
| 3925.0 | 9.4000E-03 | 6.8520E-03 | 6.8714E-03 |
| 3930.0 | 9.3200E-03 | 7.0502E-03 | 7.0699E-03 |
| 3935.0 | 9.3000E-03 | 7.3541E-03 | 7.3743E-03 |
| 3940.0 | 9.2300E-03 | 7.4027E-03 | 7.4228E-03 |
| 3945.0 | 9.2000E-03 | 7.5412E-03 | 7.5613E-03 |
| 3950.0 | 9.1100E-03 | 7.6277E-03 | 7.6475E-03 |
| 3955.0 | 9.0800E-03 | 7.7199E-03 | 7.7399E-03 |
| 3960.0 | 9.0200E-03 | 7.7482E-03 | 7.7679E-03 |
| 3965.0 | 9.0100E-03 | 7.8057E-03 | 7.8253E-03 |
| 3970.0 | 8.9300E-03 | 7.6806E-03 | 7.6997E-03 |
| 3975.0 | 8.9100E-03 | 7.5097E-03 | 7.5280E-03 |
| 3980.0 | 8.8400E-03 | 7.3872E-03 | 7.4049E-03 |
| 3985.0 | 8.8000E-03 | 7.4327E-03 | 7.4503E-03 |
| 3990.0 | 8.7800E-03 | 7.3723E-03 | 7.3894E-03 |
| 3995.0 | 8.7000E-03 | 7.2100E-03 | 7.2263E-03 |
| 4000.0 | 8.6800E-03 | 7.1043E-03 | 7.1199E-03 |

<http://rredc.nrel.gov/solar/spectra/am1.5/>

| Relative Spectral Irradiance |             | Prediction |
|------------------------------|-------------|------------|
| 3.8282E-02                   | 8.12635E+28 | 0.36322    |
| 4.6218E-02                   | 8.18263E+28 | 0.365735   |
| 7.0028E-02                   | 8.23896E+28 | 0.368253   |
| 9.8973E-02                   | 8.29535E+28 | 0.370774   |
| 1.2465E-01                   | 8.3518E+28  | 0.373297   |
| 1.4146E-01                   | 8.40829E+28 | 0.375822   |
| 1.5173E-01                   | 8.46483E+28 | 0.378349   |
| 1.5079E-01                   | 8.52142E+28 | 0.380878   |
| 1.3959E-01                   | 8.57806E+28 | 0.38341    |
| 1.1683E-01                   | 8.63473E+28 | 0.385943   |
| 8.2115E-02                   | 8.69145E+28 | 0.388478   |
| 7.2362E-02                   | 8.7482E+28  | 0.391015   |
| 1.1298E-01                   | 8.80499E+28 | 0.393553   |
| 1.5546E-01                   | 8.86181E+28 | 0.396093   |
| 1.6900E-01                   | 8.91867E+28 | 0.398634   |
| 1.5826E-01                   | 8.97555E+28 | 0.401176   |
| 1.4519E-01                   | 9.03246E+28 | 0.40372    |
| 1.5173E-01                   | 9.0894E+28  | 0.406265   |
| 1.8301E-01                   | 9.14636E+28 | 0.408811   |
| 2.2362E-01                   | 9.20334E+28 | 0.411358   |
| 2.6284E-01                   | 9.26034E+28 | 0.413905   |
| 2.8291E-01                   | 9.31735E+28 | 0.416454   |
| 2.8852E-01                   | 9.37439E+28 | 0.419003   |
| 2.7918E-01                   | 9.43143E+28 | 0.421553   |
| 2.6471E-01                   | 9.48849E+28 | 0.424103   |
| 2.4697E-01                   | 9.54555E+28 | 0.426654   |
| 2.5117E-01                   | 9.60263E+28 | 0.429205   |
| 2.5630E-01                   | 9.6597E+28  | 0.431756   |
| 2.4883E-01                   | 9.71678E+28 | 0.434307   |
| 2.4276E-01                   | 9.77387E+28 | 0.436858   |
| 2.4603E-01                   | 9.83095E+28 | 0.43941    |
| 2.6097E-01                   | 9.88802E+28 | 0.441961   |
| 2.6751E-01                   | 9.9451E+28  | 0.444512   |
| 2.4323E-01                   | 1.00022E+29 | 0.447062   |
| 2.2316E-01                   | 1.00592E+29 | 0.449613   |
| 2.4697E-01                   | 1.01163E+29 | 0.452163   |
| 2.4650E-01                   | 1.01733E+29 | 0.454712   |
| 2.1849E-01                   | 1.02303E+29 | 0.45726    |
| 2.2035E-01                   | 1.02873E+29 | 0.459808   |
| 2.3389E-01                   | 1.03443E+29 | 0.462355   |
| 2.1379E-01                   | 1.04013E+29 | 0.464901   |
| 2.0215E-01                   | 1.04582E+29 | 0.467447   |
| 2.1615E-01                   | 1.05151E+29 | 0.469991   |
| 2.2295E-01                   | 1.0572E+29  | 0.472534   |
| 2.0962E-01                   | 1.06289E+29 | 0.475076   |
| 2.3716E-01                   | 1.06857E+29 | 0.477616   |
| 2.8571E-01                   | 1.07425E+29 | 0.480155   |
| 3.0159E-01                   | 1.07993E+29 | 0.482693   |
| 2.8992E-01                   | 1.08561E+29 | 0.485229   |

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| 2.9225E-01 | 1.09128E+29 | 0.487763 |
| 2.9972E-01 | 1.09694E+29 | 0.490296 |
| 2.8525E-01 | 1.1026E+29  | 0.492827 |
| 2.6377E-01 | 1.10826E+29 | 0.495356 |
| 2.6844E-01 | 1.11392E+29 | 0.497883 |
| 2.8245E-01 | 1.11957E+29 | 0.500408 |
| 2.9458E-01 | 1.12521E+29 | 0.502931 |
| 3.0112E-01 | 1.13085E+29 | 0.505451 |
| 2.9902E-01 | 1.13648E+29 | 0.50797  |
| 2.7077E-01 | 1.14211E+29 | 0.510486 |
| 2.3343E-01 | 1.14774E+29 | 0.513    |
| 2.4883E-01 | 1.15336E+29 | 0.515511 |
| 3.0439E-01 | 1.15897E+29 | 0.51802  |
| 3.5574E-01 | 1.16458E+29 | 0.520526 |
| 3.4734E-01 | 1.17018E+29 | 0.523029 |
| 3.2967E-01 | 1.17577E+29 | 0.52553  |
| 3.1559E-01 | 1.18136E+29 | 0.528028 |
| 3.2400E-01 | 1.18694E+29 | 0.530523 |
| 3.3800E-01 | 1.19252E+29 | 0.533015 |
| 3.3473E-01 | 1.19809E+29 | 0.535504 |
| 3.1559E-01 | 1.20365E+29 | 0.537989 |
| 3.1956E-01 | 1.2092E+29  | 0.540472 |
| 2.9505E-01 | 1.21475E+29 | 0.542951 |
| 2.7404E-01 | 1.22029E+29 | 0.545427 |
| 3.0299E-01 | 1.22582E+29 | 0.5479   |
| 3.4500E-01 | 1.23134E+29 | 0.550369 |
| 3.7437E-01 | 1.23686E+29 | 0.552834 |
| 3.3782E-01 | 1.24237E+29 | 0.555296 |
| 3.1746E-01 | 1.24787E+29 | 0.557754 |
| 3.2951E-01 | 1.25336E+29 | 0.560209 |
| 3.4229E-01 | 1.25884E+29 | 0.56266  |
| 3.6181E-01 | 1.26432E+29 | 0.565107 |
| 3.8562E-01 | 1.26978E+29 | 0.567549 |
| 3.5736E-01 | 1.27524E+29 | 0.569988 |
| 3.3567E-01 | 1.28069E+29 | 0.572423 |
| 3.4320E-01 | 1.28613E+29 | 0.574854 |
| 3.3218E-01 | 1.29155E+29 | 0.577281 |
| 3.0299E-01 | 1.29697E+29 | 0.579703 |
| 3.1810E-01 | 1.30238E+29 | 0.582121 |
| 3.4570E-01 | 1.30778E+29 | 0.584535 |
| 3.6788E-01 | 1.31317E+29 | 0.586944 |
| 3.8711E-01 | 1.31856E+29 | 0.589349 |
| 4.2660E-01 | 1.32393E+29 | 0.591749 |
| 4.6608E-01 | 1.32929E+29 | 0.594145 |
| 4.7460E-01 | 1.33463E+29 | 0.596536 |
| 4.6905E-01 | 1.33997E+29 | 0.598923 |
| 4.6069E-01 | 1.3453E+29  | 0.601304 |
| 4.4669E-01 | 1.35062E+29 | 0.603681 |
| 4.3604E-01 | 1.35593E+29 | 0.606053 |
| 4.6900E-01 | 1.36122E+29 | 0.60842  |
| 5.1158E-01 | 1.36651E+29 | 0.610782 |
| 5.1811E-01 | 1.37178E+29 | 0.613139 |

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| 4.8688E-01 | 1.37704E+29 | 0.615491 |
| 4.6265E-01 | 1.38229E+29 | 0.617837 |
| 4.6403E-01 | 1.38753E+29 | 0.620179 |
| 4.6348E-01 | 1.39276E+29 | 0.622515 |
| 4.5753E-01 | 1.39797E+29 | 0.624846 |
| 4.5002E-01 | 1.40318E+29 | 0.627172 |
| 4.3744E-01 | 1.40837E+29 | 0.629492 |
| 4.4611E-01 | 1.41355E+29 | 0.631807 |
| 4.6154E-01 | 1.41871E+29 | 0.634116 |
| 4.7138E-01 | 1.42387E+29 | 0.63642  |
| 4.5496E-01 | 1.42901E+29 | 0.638718 |
| 4.1540E-01 | 1.43414E+29 | 0.641011 |
| 3.8702E-01 | 1.43925E+29 | 0.643297 |
| 3.8189E-01 | 1.44436E+29 | 0.645579 |
| 4.0958E-01 | 1.44945E+29 | 0.647854 |
| 4.3197E-01 | 1.45453E+29 | 0.650123 |
| 4.4717E-01 | 1.45959E+29 | 0.652387 |
| 4.5221E-01 | 1.46464E+29 | 0.654645 |
| 4.6172E-01 | 1.46968E+29 | 0.656897 |
| 4.9225E-01 | 1.4747E+29  | 0.659142 |
| 4.8847E-01 | 1.47972E+29 | 0.661382 |
| 4.5331E-01 | 1.48471E+29 | 0.663616 |
| 4.4771E-01 | 1.4897E+29  | 0.665843 |
| 4.6485E-01 | 1.49467E+29 | 0.668065 |
| 4.7979E-01 | 1.49962E+29 | 0.67028  |
| 4.8632E-01 | 1.50456E+29 | 0.672489 |
| 4.5892E-01 | 1.50949E+29 | 0.674691 |
| 3.9877E-01 | 1.51441E+29 | 0.676888 |
| 3.7955E-01 | 1.51931E+29 | 0.679078 |
| 4.2756E-01 | 1.52419E+29 | 0.681261 |
| 4.5295E-01 | 1.52906E+29 | 0.683438 |
| 4.4010E-01 | 1.53392E+29 | 0.685609 |
| 4.4628E-01 | 1.53876E+29 | 0.687773 |
| 4.5263E-01 | 1.54359E+29 | 0.689931 |
| 4.3566E-01 | 1.5484E+29  | 0.692082 |
| 4.3171E-01 | 1.5532E+29  | 0.694226 |
| 4.3754E-01 | 1.55798E+29 | 0.696364 |
| 4.1970E-01 | 1.56275E+29 | 0.698495 |
| 4.2936E-01 | 1.5675E+29  | 0.700619 |
| 4.7255E-01 | 1.57224E+29 | 0.702736 |
| 5.0649E-01 | 1.57696E+29 | 0.704847 |
| 4.9178E-01 | 1.58167E+29 | 0.706951 |
| 4.7288E-01 | 1.58636E+29 | 0.709048 |
| 4.5930E-01 | 1.59103E+29 | 0.711138 |
| 4.3231E-01 | 1.5957E+29  | 0.713221 |
| 4.5757E-01 | 1.60034E+29 | 0.715298 |
| 5.0196E-01 | 1.60497E+29 | 0.717367 |
| 5.2969E-01 | 1.60958E+29 | 0.719429 |
| 5.3408E-01 | 1.61418E+29 | 0.721484 |
| 5.3249E-01 | 1.61877E+29 | 0.723533 |
| 5.1186E-01 | 1.62333E+29 | 0.725574 |
| 4.7852E-01 | 1.62788E+29 | 0.727608 |

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| 4.4778E-01 | 1.63242E+29 | 0.729635 |
| 3.9309E-01 | 1.63694E+29 | 0.731654 |
| 3.9690E-01 | 1.64144E+29 | 0.733667 |
| 3.6842E-01 | 1.64592E+29 | 0.735672 |
| 3.4127E-01 | 1.65039E+29 | 0.73767  |
| 4.0058E-01 | 1.65485E+29 | 0.739661 |
| 4.8184E-01 | 1.65929E+29 | 0.741644 |
| 5.0840E-01 | 1.66371E+29 | 0.74362  |
| 4.7923E-01 | 1.66811E+29 | 0.745589 |
| 4.3954E-01 | 1.6725E+29  | 0.74755  |
| 4.2857E-01 | 1.67687E+29 | 0.749504 |
| 4.4725E-01 | 1.68123E+29 | 0.751451 |
| 4.8786E-01 | 1.68556E+29 | 0.75339  |
| 5.0000E-01 | 1.68989E+29 | 0.755321 |
| 4.8459E-01 | 1.69419E+29 | 0.757245 |
| 5.0028E-01 | 1.69848E+29 | 0.759162 |
| 4.9440E-01 | 1.70275E+29 | 0.761071 |
| 5.1214E-01 | 1.707E+29   | 0.762973 |
| 5.6214E-01 | 1.71124E+29 | 0.764867 |
| 6.0037E-01 | 1.71546E+29 | 0.766753 |
| 5.9958E-01 | 1.71967E+29 | 0.768632 |
| 5.8716E-01 | 1.72385E+29 | 0.770503 |
| 5.7502E-01 | 1.72802E+29 | 0.772367 |
| 5.4015E-01 | 1.73217E+29 | 0.774223 |
| 5.3497E-01 | 1.73631E+29 | 0.776071 |
| 5.5761E-01 | 1.74043E+29 | 0.777911 |
| 5.9734E-01 | 1.74453E+29 | 0.779744 |
| 6.0383E-01 | 1.74861E+29 | 0.781569 |
| 5.4435E-01 | 1.75268E+29 | 0.783387 |
| 5.5140E-01 | 1.75673E+29 | 0.785196 |
| 5.7185E-01 | 1.76076E+29 | 0.786998 |
| 5.3427E-01 | 1.76477E+29 | 0.788792 |
| 5.0775E-01 | 1.76877E+29 | 0.790579 |
| 4.8763E-01 | 1.77275E+29 | 0.792357 |
| 4.3838E-01 | 1.77671E+29 | 0.794128 |
| 4.3624E-01 | 1.78065E+29 | 0.79589  |
| 4.3184E-01 | 1.78458E+29 | 0.797645 |
| 4.5985E-01 | 1.78849E+29 | 0.799393 |
| 5.0766E-01 | 1.79238E+29 | 0.801132 |
| 5.2474E-01 | 1.79625E+29 | 0.802863 |
| 5.1541E-01 | 1.80011E+29 | 0.804587 |
| 5.5149E-01 | 1.80395E+29 | 0.806302 |
| 6.1387E-01 | 1.80777E+29 | 0.80801  |
| 6.6032E-01 | 1.81157E+29 | 0.80971  |
| 6.4262E-01 | 1.81535E+29 | 0.811401 |
| 5.7236E-01 | 1.81912E+29 | 0.813085 |
| 5.1261E-01 | 1.82287E+29 | 0.814761 |
| 5.3782E-01 | 1.8266E+29  | 0.816429 |
| 5.7470E-01 | 1.83032E+29 | 0.818089 |
| 5.8310E-01 | 1.83401E+29 | 0.819741 |
| 5.2400E-01 | 1.83769E+29 | 0.821385 |
| 4.4550E-01 | 1.84135E+29 | 0.823021 |

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| 3.8428E-01 | 1.84499E+29 | 0.824649 |
| 3.4362E-01 | 1.84862E+29 | 0.826269 |
| 3.3191E-01 | 1.85223E+29 | 0.827881 |
| 3.8329E-01 | 1.85581E+29 | 0.829485 |
| 4.6041E-01 | 1.85938E+29 | 0.831081 |
| 5.0430E-01 | 1.86294E+29 | 0.832669 |
| 4.8067E-01 | 1.86647E+29 | 0.834249 |
| 4.6271E-01 | 1.86999E+29 | 0.835821 |
| 4.7988E-01 | 1.87349E+29 | 0.837385 |
| 4.8338E-01 | 1.87697E+29 | 0.838941 |
| 4.7554E-01 | 1.88043E+29 | 0.840488 |
| 4.6998E-01 | 1.88388E+29 | 0.842028 |
| 4.6565E-01 | 1.8873E+29  | 0.84356  |
| 5.0467E-01 | 1.89071E+29 | 0.845083 |
| 5.5826E-01 | 1.8941E+29  | 0.846599 |
| 5.8445E-01 | 1.89748E+29 | 0.848107 |
| 5.8828E-01 | 1.90083E+29 | 0.849606 |
| 6.2194E-01 | 1.90417E+29 | 0.851097 |
| 6.2979E-01 | 1.90749E+29 | 0.852581 |
| 5.7890E-01 | 1.91079E+29 | 0.854056 |
| 4.8142E-01 | 1.91407E+29 | 0.855523 |
| 3.4781E-01 | 1.91733E+29 | 0.856982 |
| 2.7600E-01 | 1.92058E+29 | 0.858433 |
| 3.5796E-01 | 1.92381E+29 | 0.859876 |
| 4.9286E-01 | 1.92702E+29 | 0.861311 |
| 5.8123E-01 | 1.93021E+29 | 0.862738 |
| 6.1835E-01 | 1.93338E+29 | 0.864157 |
| 5.4276E-01 | 1.93654E+29 | 0.865567 |
| 3.9370E-01 | 1.93968E+29 | 0.86697  |
| 3.0439E-01 | 1.9428E+29  | 0.868364 |
| 4.4884E-01 | 1.9459E+29  | 0.869751 |
| 6.0738E-01 | 1.94898E+29 | 0.871129 |
| 7.1625E-01 | 1.95205E+29 | 0.8725   |
| 7.5840E-01 | 1.9551E+29  | 0.873862 |
| 7.8044E-01 | 1.95813E+29 | 0.875216 |
| 7.8828E-01 | 1.96114E+29 | 0.876563 |
| 8.1793E-01 | 1.96711E+29 | 0.879231 |
| 8.4687E-01 | 1.97301E+29 | 0.881867 |
| 8.1232E-01 | 1.97883E+29 | 0.884471 |
| 8.2306E-01 | 1.98459E+29 | 0.887044 |
| 8.0065E-01 | 1.99027E+29 | 0.889584 |
| 7.7778E-01 | 1.99588E+29 | 0.892092 |
| 7.6097E-01 | 2.00142E+29 | 0.894568 |
| 7.9318E-01 | 2.00689E+29 | 0.897012 |
| 8.4454E-01 | 2.01229E+29 | 0.899425 |
| 7.1755E-01 | 2.01762E+29 | 0.901805 |
| 8.0065E-01 | 2.02287E+29 | 0.904154 |
| 8.4781E-01 | 2.02806E+29 | 0.906472 |
| 8.1195E-01 | 2.03317E+29 | 0.908757 |
| 8.0037E-01 | 2.03821E+29 | 0.911012 |
| 8.2577E-01 | 2.04319E+29 | 0.913235 |
| 8.4734E-01 | 2.04809E+29 | 0.915426 |

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| 8.2446E-01 | 2.05292E+29 | 0.917587 |
| 7.8665E-01 | 2.05769E+29 | 0.919716 |
| 8.1653E-01 | 2.06238E+29 | 0.921814 |
| 7.4650E-01 | 2.06701E+29 | 0.923881 |
| 8.4547E-01 | 2.07156E+29 | 0.925917 |
| 8.3193E-01 | 2.07605E+29 | 0.927922 |
| 8.0345E-01 | 2.08047E+29 | 0.929897 |
| 7.9739E-01 | 2.08482E+29 | 0.931841 |
| 8.1933E-01 | 2.0891E+29  | 0.933755 |
| 7.9318E-01 | 2.09331E+29 | 0.935638 |
| 7.6471E-01 | 2.09745E+29 | 0.937491 |
| 7.7077E-01 | 2.10153E+29 | 0.939313 |
| 7.1102E-01 | 2.10554E+29 | 0.941106 |
| 5.6583E-01 | 2.10949E+29 | 0.942868 |
| 5.1307E-01 | 2.11336E+29 | 0.944601 |
| 8.5061E-01 | 2.11717E+29 | 0.946304 |
| 7.8959E-01 | 2.12092E+29 | 0.947977 |
| 7.2829E-01 | 2.12459E+29 | 0.949621 |
| 7.9785E-01 | 2.12821E+29 | 0.951236 |
| 8.7208E-01 | 2.13175E+29 | 0.952821 |
| 8.8702E-01 | 2.13523E+29 | 0.954377 |
| 7.7638E-01 | 2.13865E+29 | 0.955904 |
| 7.4743E-01 | 2.142E+29   | 0.957402 |
| 8.5434E-01 | 2.14529E+29 | 0.958872 |
| 8.3987E-01 | 2.14851E+29 | 0.960313 |
| 8.9729E-01 | 2.15167E+29 | 0.961725 |
| 9.0990E-01 | 2.15477E+29 | 0.963109 |
| 8.8427E-01 | 2.1578E+29  | 0.964465 |
| 9.1737E-01 | 2.16078E+29 | 0.965793 |
| 8.1965E-01 | 2.16368E+29 | 0.967092 |
| 9.2904E-01 | 2.16653E+29 | 0.968364 |
| 9.4024E-01 | 2.16931E+29 | 0.969609 |
| 9.3417E-01 | 2.17204E+29 | 0.970826 |
| 9.6592E-01 | 2.1747E+29  | 0.972015 |
| 1.0000E+00 | 2.1773E+29  | 0.973178 |
| 9.5565E-01 | 2.17984E+29 | 0.974313 |
| 8.8067E-01 | 2.18232E+29 | 0.975421 |
| 9.4211E-01 | 2.18474E+29 | 0.976503 |
| 9.3417E-01 | 2.1871E+29  | 0.977558 |
| 9.6312E-01 | 2.1894E+29  | 0.978586 |
| 9.6965E-01 | 2.19164E+29 | 0.979588 |
| 9.4865E-01 | 2.19382E+29 | 0.980564 |
| 9.3931E-01 | 2.19595E+29 | 0.981514 |
| 9.3245E-01 | 2.19802E+29 | 0.982438 |
| 9.6354E-01 | 2.20003E+29 | 0.983337 |
| 9.7012E-01 | 2.20198E+29 | 0.98421  |
| 9.7292E-01 | 2.20388E+29 | 0.985057 |
| 9.4071E-01 | 2.20572E+29 | 0.985879 |
| 9.2624E-01 | 2.2075E+29  | 0.986676 |
| 9.4351E-01 | 2.20923E+29 | 0.987448 |
| 9.0149E-01 | 2.2109E+29  | 0.988196 |
| 9.3931E-01 | 2.21252E+29 | 0.988918 |

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| 9.4211E-01 | 2.21408E+29 | 0.989617 |
| 9.0523E-01 | 2.21559E+29 | 0.990291 |
| 9.1923E-01 | 2.21704E+29 | 0.99094  |
| 9.6639E-01 | 2.21844E+29 | 0.991566 |
| 9.2820E-01 | 2.21979E+29 | 0.992168 |
| 9.3931E-01 | 2.22108E+29 | 0.992747 |
| 9.7106E-01 | 2.22232E+29 | 0.993301 |
| 9.3931E-01 | 2.22351E+29 | 0.993833 |
| 9.4538E-01 | 2.22465E+29 | 0.994341 |
| 9.7386E-01 | 2.22573E+29 | 0.994826 |
| 9.5238E-01 | 2.22677E+29 | 0.995289 |
| 9.6545E-01 | 2.22775E+29 | 0.995728 |
| 9.6218E-01 | 2.22868E+29 | 0.996145 |
| 9.6279E-01 | 2.22957E+29 | 0.99654  |
| 9.4818E-01 | 2.2304E+29  | 0.996913 |
| 9.2857E-01 | 2.23118E+29 | 0.997263 |
| 9.2390E-01 | 2.23192E+29 | 0.997591 |
| 7.4743E-01 | 2.23261E+29 | 0.997898 |
| 8.3520E-01 | 2.23324E+29 | 0.998183 |
| 9.0336E-01 | 2.23383E+29 | 0.998447 |
| 8.5079E-01 | 2.23438E+29 | 0.99869  |
| 9.4865E-01 | 2.23487E+29 | 0.998911 |
| 9.0990E-01 | 2.23532E+29 | 0.999112 |
| 8.6648E-01 | 2.23572E+29 | 0.999291 |
| 9.2577E-01 | 2.23608E+29 | 0.99945  |
| 9.0285E-01 | 2.23639E+29 | 0.999589 |
| 9.5752E-01 | 2.23665E+29 | 0.999707 |
| 9.0990E-01 | 2.23687E+29 | 0.999805 |
| 9.2437E-01 | 2.23705E+29 | 0.999884 |
| 8.9823E-01 | 2.23718E+29 | 0.999942 |
| 8.9776E-01 | 2.23726E+29 | 0.999981 |
| 8.9449E-01 | 2.23731E+29 | 1        |
| 8.6741E-01 | 2.23731E+29 | 1        |
| 8.6835E-01 | 2.23726E+29 | 0.999981 |
| 9.0990E-01 | 2.23718E+29 | 0.999942 |
| 8.5574E-01 | 2.23705E+29 | 0.999885 |
| 9.0906E-01 | 2.23688E+29 | 0.999809 |
| 9.4538E-01 | 2.23667E+29 | 0.999715 |
| 9.0355E-01 | 2.23642E+29 | 0.999602 |
| 8.7768E-01 | 2.23612E+29 | 0.999471 |
| 9.1737E-01 | 2.23579E+29 | 0.999322 |
| 8.9169E-01 | 2.23542E+29 | 0.999154 |
| 9.0616E-01 | 2.235E+29   | 0.998969 |
| 9.2857E-01 | 2.23455E+29 | 0.998767 |
| 8.7115E-01 | 2.23406E+29 | 0.998547 |
| 8.5154E-01 | 2.23353E+29 | 0.99831  |
| 8.7535E-01 | 2.23296E+29 | 0.998055 |
| 8.8282E-01 | 2.23235E+29 | 0.997784 |
| 7.1849E-01 | 2.2317E+29  | 0.997495 |
| 8.2120E-01 | 2.23102E+29 | 0.99719  |
| 7.9552E-01 | 2.2303E+29  | 0.996869 |
| 8.6835E-01 | 2.22955E+29 | 0.996531 |

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| 8.7442E-01 | 2.22875E+29 | 0.996176 |
| 8.9402E-01 | 2.22792E+29 | 0.995806 |
| 8.4220E-01 | 2.22706E+29 | 0.99542  |
| 9.0616E-01 | 2.22616E+29 | 0.995018 |
| 9.0009E-01 | 2.22523E+29 | 0.9946   |
| 8.7488E-01 | 2.22426E+29 | 0.994167 |
| 7.6611E-01 | 2.22325E+29 | 0.993718 |
| 8.7768E-01 | 2.22221E+29 | 0.993254 |
| 9.1923E-01 | 2.22114E+29 | 0.992775 |
| 8.8329E-01 | 2.22004E+29 | 0.992281 |
| 9.3137E-01 | 2.2189E+29  | 0.991772 |
| 9.1410E-01 | 2.21773E+29 | 0.991249 |
| 8.1559E-01 | 2.21653E+29 | 0.990711 |
| 8.7255E-01 | 2.21529E+29 | 0.990159 |
| 8.8469E-01 | 2.21402E+29 | 0.989592 |
| 9.2157E-01 | 2.21272E+29 | 0.989012 |
| 8.5154E-01 | 2.21139E+29 | 0.988417 |
| 8.9309E-01 | 2.21003E+29 | 0.987809 |
| 8.7021E-01 | 2.20864E+29 | 0.987187 |
| 8.4034E-01 | 2.20722E+29 | 0.986552 |
| 8.0952E-01 | 2.20577E+29 | 0.985903 |
| 8.8142E-01 | 2.20429E+29 | 0.985241 |
| 8.6415E-01 | 2.20278E+29 | 0.984566 |
| 8.9589E-01 | 2.20124E+29 | 0.983878 |
| 8.7488E-01 | 2.19967E+29 | 0.983176 |
| 8.6877E-01 | 2.19807E+29 | 0.982463 |
| 8.7862E-01 | 2.19645E+29 | 0.981736 |
| 8.5247E-01 | 2.19479E+29 | 0.980998 |
| 8.7768E-01 | 2.19311E+29 | 0.980247 |
| 8.6975E-01 | 2.19141E+29 | 0.979483 |
| 8.6788E-01 | 2.18967E+29 | 0.978708 |
| 8.8515E-01 | 2.18791E+29 | 0.977921 |
| 8.5994E-01 | 2.18612E+29 | 0.977122 |
| 8.7675E-01 | 2.18431E+29 | 0.976311 |
| 8.8189E-01 | 2.18247E+29 | 0.975489 |
| 8.6695E-01 | 2.1806E+29  | 0.974655 |
| 8.4594E-01 | 2.17871E+29 | 0.97381  |
| 8.6508E-01 | 2.1768E+29  | 0.972954 |
| 8.1933E-01 | 2.17486E+29 | 0.972087 |
| 8.3380E-01 | 2.17289E+29 | 0.971209 |
| 8.8235E-01 | 2.17091E+29 | 0.97032  |
| 8.4080E-01 | 2.16889E+29 | 0.969421 |
| 8.7348E-01 | 2.16686E+29 | 0.968511 |
| 8.5714E-01 | 2.1648E+29  | 0.967591 |
| 8.6321E-01 | 2.16272E+29 | 0.96666  |
| 8.1699E-01 | 2.16061E+29 | 0.965719 |
| 8.7208E-01 | 2.15848E+29 | 0.964768 |
| 8.6788E-01 | 2.15633E+29 | 0.963807 |
| 8.5481E-01 | 2.15416E+29 | 0.962836 |
| 8.5341E-01 | 2.15197E+29 | 0.961856 |
| 8.2260E-01 | 2.14975E+29 | 0.960866 |
| 8.7395E-01 | 2.14752E+29 | 0.959866 |

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| 8.7815E-01 | 2.14526E+29 | 0.958857 |
| 8.7442E-01 | 2.14298E+29 | 0.957839 |
| 8.5621E-01 | 2.14068E+29 | 0.956812 |
| 8.4874E-01 | 2.13836E+29 | 0.955775 |
| 8.6928E-01 | 2.13603E+29 | 0.95473  |
| 8.3987E-01 | 2.13367E+29 | 0.953676 |
| 8.4781E-01 | 2.13129E+29 | 0.952613 |
| 8.5621E-01 | 2.12889E+29 | 0.951542 |
| 8.5574E-01 | 2.12648E+29 | 0.950462 |
| 8.6461E-01 | 2.12404E+29 | 0.949374 |
| 8.6975E-01 | 2.12159E+29 | 0.948277 |
| 8.6555E-01 | 2.11912E+29 | 0.947173 |
| 8.5714E-01 | 2.11663E+29 | 0.94606  |
| 8.3660E-01 | 2.11412E+29 | 0.944939 |
| 8.5808E-01 | 2.1116E+29  | 0.943811 |
| 8.5014E-01 | 2.10905E+29 | 0.942674 |
| 7.5817E-01 | 2.10649E+29 | 0.941531 |
| 8.0383E-01 | 2.10392E+29 | 0.940379 |
| 8.4454E-01 | 2.10132E+29 | 0.93922  |
| 8.3473E-01 | 2.09872E+29 | 0.938054 |
| 8.3660E-01 | 2.09609E+29 | 0.936881 |
| 8.3520E-01 | 2.09345E+29 | 0.9357   |
| 8.3007E-01 | 2.09079E+29 | 0.934512 |
| 8.3847E-01 | 2.08812E+29 | 0.933318 |
| 8.4314E-01 | 2.08543E+29 | 0.932116 |
| 8.2726E-01 | 2.08273E+29 | 0.930908 |
| 8.2353E-01 | 2.08001E+29 | 0.929693 |
| 8.2633E-01 | 2.07728E+29 | 0.928472 |
| 8.1326E-01 | 2.07453E+29 | 0.927244 |
| 8.0065E-01 | 2.07177E+29 | 0.92601  |
| 8.1653E-01 | 2.06899E+29 | 0.924769 |
| 8.3053E-01 | 2.0662E+29  | 0.923522 |
| 8.2773E-01 | 2.0634E+29  | 0.922269 |
| 8.2073E-01 | 2.06058E+29 | 0.92101  |
| 8.2260E-01 | 2.05775E+29 | 0.919746 |
| 8.1746E-01 | 2.05491E+29 | 0.918475 |
| 8.0952E-01 | 2.05206E+29 | 0.917199 |
| 8.0486E-01 | 2.04919E+29 | 0.915917 |
| 7.9925E-01 | 2.04631E+29 | 0.914629 |
| 8.1046E-01 | 2.04341E+29 | 0.913336 |
| 7.9832E-01 | 2.04051E+29 | 0.912037 |
| 7.7264E-01 | 2.03759E+29 | 0.910733 |
| 7.9925E-01 | 2.03466E+29 | 0.909424 |
| 7.7684E-01 | 2.03172E+29 | 0.90811  |
| 7.6611E-01 | 2.02877E+29 | 0.906791 |
| 7.9458E-01 | 2.02581E+29 | 0.905467 |
| 7.9785E-01 | 2.02283E+29 | 0.904137 |
| 7.9879E-01 | 2.01985E+29 | 0.902803 |
| 8.0486E-01 | 2.01685E+29 | 0.901465 |
| 7.8357E-01 | 2.01385E+29 | 0.900121 |
| 7.8525E-01 | 2.01083E+29 | 0.898773 |
| 7.7824E-01 | 2.00781E+29 | 0.897421 |

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| 7.6751E-01 | 2.00477E+29 | 0.896064 |
| 7.6564E-01 | 2.00173E+29 | 0.894703 |
| 7.9038E-01 | 1.99867E+29 | 0.893337 |
| 7.9038E-01 | 1.99561E+29 | 0.891967 |
| 7.8758E-01 | 1.99253E+29 | 0.890594 |
| 7.7731E-01 | 1.98945E+29 | 0.889216 |
| 7.7451E-01 | 1.98636E+29 | 0.887834 |
| 7.4234E-01 | 1.98326E+29 | 0.886448 |
| 7.8151E-01 | 1.98015E+29 | 0.885058 |
| 7.6424E-01 | 1.97703E+29 | 0.883665 |
| 7.7124E-01 | 1.9739E+29  | 0.882268 |
| 7.5131E-01 | 1.97077E+29 | 0.880867 |
| 7.7544E-01 | 1.96763E+29 | 0.879463 |
| 7.7731E-01 | 1.96448E+29 | 0.878055 |
| 7.7171E-01 | 1.96132E+29 | 0.876644 |
| 7.5303E-01 | 1.95816E+29 | 0.875229 |
| 7.5163E-01 | 1.95499E+29 | 0.873812 |
| 7.5117E-01 | 1.95181E+29 | 0.872391 |
| 7.5864E-01 | 1.94862E+29 | 0.870966 |
| 7.5350E-01 | 1.94543E+29 | 0.869539 |
| 7.5957E-01 | 1.94223E+29 | 0.868109 |
| 7.4276E-01 | 1.93902E+29 | 0.866676 |
| 7.4977E-01 | 1.93581E+29 | 0.86524  |
| 7.4790E-01 | 1.93259E+29 | 0.863801 |
| 7.2409E-01 | 1.92936E+29 | 0.862359 |
| 7.1242E-01 | 1.92613E+29 | 0.860915 |
| 7.5303E-01 | 1.92289E+29 | 0.859468 |
| 7.4276E-01 | 1.91965E+29 | 0.858019 |
| 7.4603E-01 | 1.9164E+29  | 0.856567 |
| 7.3529E-01 | 1.91315E+29 | 0.855112 |
| 7.1102E-01 | 1.90989E+29 | 0.853655 |
| 6.1779E-01 | 1.90662E+29 | 0.852196 |
| 6.4613E-01 | 1.90336E+29 | 0.850735 |
| 7.1849E-01 | 1.90008E+29 | 0.849271 |
| 7.1989E-01 | 1.8968E+29  | 0.847805 |
| 7.2736E-01 | 1.89352E+29 | 0.846337 |
| 7.3109E-01 | 1.89023E+29 | 0.844867 |
| 7.3343E-01 | 1.88693E+29 | 0.843395 |
| 7.2969E-01 | 1.88364E+29 | 0.841921 |
| 7.2549E-01 | 1.88034E+29 | 0.840445 |
| 7.3156E-01 | 1.87703E+29 | 0.838968 |
| 7.2596E-01 | 1.87372E+29 | 0.837488 |
| 7.1681E-01 | 1.87041E+29 | 0.836007 |
| 7.1653E-01 | 1.86709E+29 | 0.834525 |
| 7.2736E-01 | 1.86377E+29 | 0.83304  |
| 7.1615E-01 | 1.86044E+29 | 0.831554 |
| 7.1382E-01 | 1.85711E+29 | 0.830067 |
| 7.0308E-01 | 1.85378E+29 | 0.828578 |
| 7.0822E-01 | 1.85045E+29 | 0.827088 |
| 7.0635E-01 | 1.84711E+29 | 0.825596 |
| 6.9981E-01 | 1.84377E+29 | 0.824103 |
| 7.0728E-01 | 1.84043E+29 | 0.822609 |

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| 7.0028E-01 | 1.83708E+29 | 0.821113 |
| 7.0355E-01 | 1.83373E+29 | 0.819617 |
| 6.9701E-01 | 1.83038E+29 | 0.818119 |
| 6.9748E-01 | 1.82703E+29 | 0.81662  |
| 6.9421E-01 | 1.82367E+29 | 0.81512  |
| 6.9701E-01 | 1.82032E+29 | 0.813619 |
| 6.8908E-01 | 1.81696E+29 | 0.812118 |
| 6.8441E-01 | 1.8136E+29  | 0.810615 |
| 6.8394E-01 | 1.81023E+29 | 0.809111 |
| 6.6900E-01 | 1.80687E+29 | 0.807607 |
| 6.8721E-01 | 1.8035E+29  | 0.806102 |
| 6.8908E-01 | 1.80013E+29 | 0.804596 |
| 6.9001E-01 | 1.79676E+29 | 0.80309  |
| 6.9048E-01 | 1.79339E+29 | 0.801583 |
| 6.8534E-01 | 1.79001E+29 | 0.800075 |
| 6.7880E-01 | 1.78664E+29 | 0.798567 |
| 6.8067E-01 | 1.78326E+29 | 0.797058 |
| 6.8021E-01 | 1.77989E+29 | 0.795549 |
| 6.6993E-01 | 1.77651E+29 | 0.79404  |
| 6.7320E-01 | 1.77313E+29 | 0.79253  |
| 6.7134E-01 | 1.76975E+29 | 0.791019 |
| 6.6153E-01 | 1.76637E+29 | 0.789509 |
| 6.6947E-01 | 1.76299E+29 | 0.787998 |
| 6.6387E-01 | 1.75961E+29 | 0.786487 |
| 6.5971E-01 | 1.75623E+29 | 0.784976 |
| 6.5299E-01 | 1.75285E+29 | 0.783464 |
| 6.5803E-01 | 1.74947E+29 | 0.781953 |
| 6.6232E-01 | 1.74609E+29 | 0.780441 |
| 6.6900E-01 | 1.7427E+29  | 0.778929 |
| 6.6004E-01 | 1.73932E+29 | 0.777418 |
| 6.5546E-01 | 1.73594E+29 | 0.775906 |
| 6.5313E-01 | 1.73256E+29 | 0.774395 |
| 6.4893E-01 | 1.72918E+29 | 0.772883 |
| 6.5546E-01 | 1.7258E+29  | 0.771372 |
| 6.5219E-01 | 1.72242E+29 | 0.769861 |
| 6.4510E-01 | 1.71903E+29 | 0.76835  |
| 6.3968E-01 | 1.71565E+29 | 0.766839 |
| 6.4514E-01 | 1.71228E+29 | 0.765329 |
| 6.3035E-01 | 1.7089E+29  | 0.763818 |
| 6.3931E-01 | 1.70552E+29 | 0.762309 |
| 6.3725E-01 | 1.70214E+29 | 0.760799 |
| 6.3352E-01 | 1.69877E+29 | 0.75929  |
| 6.0738E-01 | 1.69539E+29 | 0.757781 |
| 6.2965E-01 | 1.69202E+29 | 0.756273 |
| 6.2932E-01 | 1.68864E+29 | 0.754766 |
| 6.3492E-01 | 1.68527E+29 | 0.753258 |
| 6.3072E-01 | 1.6819E+29  | 0.751752 |
| 6.3525E-01 | 1.67853E+29 | 0.750246 |
| 6.2862E-01 | 1.67516E+29 | 0.74874  |
| 6.2694E-01 | 1.6718E+29  | 0.747236 |
| 6.2764E-01 | 1.66843E+29 | 0.745731 |
| 6.2418E-01 | 1.66507E+29 | 0.744228 |

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| 5.9739E-01 | 1.6617E+29  | 0.742725 |
| 6.2358E-01 | 1.65834E+29 | 0.741223 |
| 6.1176E-01 | 1.65499E+29 | 0.739722 |
| 6.2246E-01 | 1.65163E+29 | 0.738222 |
| 6.1195E-01 | 1.64827E+29 | 0.736722 |
| 6.2512E-01 | 1.64492E+29 | 0.735223 |
| 6.1956E-01 | 1.64157E+29 | 0.733726 |
| 6.1158E-01 | 1.63822E+29 | 0.732229 |
| 6.1251E-01 | 1.63487E+29 | 0.730733 |
| 6.0691E-01 | 1.63153E+29 | 0.729238 |
| 5.9038E-01 | 1.62819E+29 | 0.727744 |
| 5.9897E-01 | 1.62485E+29 | 0.72625  |
| 5.9323E-01 | 1.62151E+29 | 0.724758 |
| 5.9052E-01 | 1.61817E+29 | 0.723267 |
| 6.0187E-01 | 1.61484E+29 | 0.721778 |
| 6.0481E-01 | 1.61151E+29 | 0.720289 |
| 6.0317E-01 | 1.60818E+29 | 0.718801 |
| 6.0187E-01 | 1.60485E+29 | 0.717315 |
| 6.0177E-01 | 1.60153E+29 | 0.715829 |
| 5.9795E-01 | 1.59821E+29 | 0.714345 |
| 5.9570E-01 | 1.59489E+29 | 0.712862 |
| 5.9477E-01 | 1.59158E+29 | 0.71138  |
| 5.9197E-01 | 1.58826E+29 | 0.7099   |
| 5.9384E-01 | 1.58496E+29 | 0.708421 |
| 5.9057E-01 | 1.58165E+29 | 0.706943 |
| 5.9799E-01 | 1.57834E+29 | 0.705466 |
| 5.9622E-01 | 1.57504E+29 | 0.703991 |
| 5.8870E-01 | 1.57175E+29 | 0.702517 |
| 5.8814E-01 | 1.56845E+29 | 0.701044 |
| 5.9197E-01 | 1.56516E+29 | 0.699573 |
| 5.8357E-01 | 1.56187E+29 | 0.698104 |
| 5.8777E-01 | 1.55859E+29 | 0.696635 |
| 5.8296E-01 | 1.55531E+29 | 0.695169 |
| 5.8170E-01 | 1.55203E+29 | 0.693703 |
| 5.8557E-01 | 1.54875E+29 | 0.692239 |
| 5.8665E-01 | 1.54548E+29 | 0.690777 |
| 5.8133E-01 | 1.54221E+29 | 0.689316 |
| 5.6022E-01 | 1.53895E+29 | 0.687857 |
| 5.6583E-01 | 1.53569E+29 | 0.686399 |
| 5.7470E-01 | 1.53243E+29 | 0.684943 |
| 5.6685E-01 | 1.52917E+29 | 0.683488 |
| 5.6704E-01 | 1.52592E+29 | 0.682036 |
| 5.6363E-01 | 1.52268E+29 | 0.680584 |
| 5.6583E-01 | 1.51943E+29 | 0.679135 |
| 5.6489E-01 | 1.51619E+29 | 0.677686 |
| 5.6443E-01 | 1.51296E+29 | 0.67624  |
| 5.6396E-01 | 1.50973E+29 | 0.674796 |
| 5.6499E-01 | 1.5065E+29  | 0.673353 |
| 5.6153E-01 | 1.50327E+29 | 0.671911 |
| 5.6088E-01 | 1.50005E+29 | 0.670472 |
| 5.6335E-01 | 1.49684E+29 | 0.669034 |
| 5.5696E-01 | 1.49362E+29 | 0.667598 |

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| 5.5546E-01 | 1.49041E+29 | 0.666164 |
| 5.5789E-01 | 1.48721E+29 | 0.664732 |
| 5.5537E-01 | 1.48401E+29 | 0.663301 |
| 5.5135E-01 | 1.48081E+29 | 0.661872 |
| 5.5434E-01 | 1.47762E+29 | 0.660445 |
| 5.5509E-01 | 1.47443E+29 | 0.65902  |
| 5.5448E-01 | 1.47125E+29 | 0.657597 |
| 5.5089E-01 | 1.46807E+29 | 0.656176 |
| 5.5145E-01 | 1.46489E+29 | 0.654756 |
| 5.4641E-01 | 1.46172E+29 | 0.653339 |
| 5.4304E-01 | 1.45855E+29 | 0.651923 |
| 5.3688E-01 | 1.45539E+29 | 0.650509 |
| 5.3450E-01 | 1.45223E+29 | 0.649097 |
| 5.2568E-01 | 1.44908E+29 | 0.647687 |
| 5.2661E-01 | 1.44593E+29 | 0.64628  |
| 5.3347E-01 | 1.44278E+29 | 0.644874 |
| 5.4062E-01 | 1.43964E+29 | 0.64347  |
| 5.3693E-01 | 1.4365E+29  | 0.642068 |
| 5.2988E-01 | 1.43337E+29 | 0.640668 |
| 5.2512E-01 | 1.43024E+29 | 0.63927  |
| 5.3347E-01 | 1.42712E+29 | 0.637874 |
| 5.3324E-01 | 1.424E+29   | 0.63648  |
| 5.2479E-01 | 1.42089E+29 | 0.635088 |
| 5.2951E-01 | 1.41778E+29 | 0.633698 |
| 5.1359E-01 | 1.41467E+29 | 0.632311 |
| 5.2796E-01 | 1.41157E+29 | 0.630925 |
| 5.2428E-01 | 1.40848E+29 | 0.629541 |
| 5.2110E-01 | 1.40539E+29 | 0.62816  |
| 5.1261E-01 | 1.4023E+29  | 0.626781 |
| 5.1821E-01 | 1.39922E+29 | 0.625403 |
| 5.2021E-01 | 1.39614E+29 | 0.624028 |
| 5.2101E-01 | 1.39307E+29 | 0.622655 |
| 5.2194E-01 | 1.39E+29    | 0.621284 |
| 5.2166E-01 | 1.38694E+29 | 0.619916 |
| 5.1779E-01 | 1.38388E+29 | 0.618549 |
| 5.1587E-01 | 1.38083E+29 | 0.617185 |
| 5.1741E-01 | 1.37778E+29 | 0.615822 |
| 5.0705E-01 | 1.37474E+29 | 0.614462 |
| 5.0131E-01 | 1.3717E+29  | 0.613104 |
| 5.0140E-01 | 1.36867E+29 | 0.611749 |
| 5.0233E-01 | 1.36564E+29 | 0.610395 |
| 4.9300E-01 | 1.36262E+29 | 0.609044 |
| 5.0233E-01 | 1.3596E+29  | 0.607695 |
| 5.0023E-01 | 1.35659E+29 | 0.606348 |
| 4.9949E-01 | 1.35358E+29 | 0.605003 |
| 5.0229E-01 | 1.35058E+29 | 0.603661 |
| 5.0243E-01 | 1.34758E+29 | 0.602321 |
| 5.0182E-01 | 1.34458E+29 | 0.600983 |
| 4.9580E-01 | 1.3416E+29  | 0.599647 |
| 4.9314E-01 | 1.33861E+29 | 0.598314 |
| 4.9300E-01 | 1.33563E+29 | 0.596983 |
| 4.9253E-01 | 1.33266E+29 | 0.595654 |

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| 4.8212E-01 | 1.32969E+29 | 0.594327 |
| 4.8828E-01 | 1.32673E+29 | 0.593003 |
| 4.8908E-01 | 1.32377E+29 | 0.591681 |
| 4.9472E-01 | 1.32082E+29 | 0.590361 |
| 4.9071E-01 | 1.31787E+29 | 0.589044 |
| 4.9248E-01 | 1.31493E+29 | 0.587729 |
| 4.8553E-01 | 1.31199E+29 | 0.586416 |
| 4.9020E-01 | 1.30906E+29 | 0.585106 |
| 4.9113E-01 | 1.30613E+29 | 0.583797 |
| 4.8025E-01 | 1.30321E+29 | 0.582492 |
| 4.7951E-01 | 1.3003E+29  | 0.581188 |
| 4.7339E-01 | 1.29739E+29 | 0.579887 |
| 4.8366E-01 | 1.29448E+29 | 0.578588 |
| 4.8413E-01 | 1.29158E+29 | 0.577292 |
| 4.6965E-01 | 1.28868E+29 | 0.575997 |
| 4.7199E-01 | 1.28579E+29 | 0.574706 |
| 4.6919E-01 | 1.28291E+29 | 0.573416 |
| 4.2484E-01 | 1.28003E+29 | 0.572129 |
| 4.6592E-01 | 1.27715E+29 | 0.570844 |
| 4.6218E-01 | 1.27429E+29 | 0.569562 |
| 4.5798E-01 | 1.27142E+29 | 0.568282 |
| 4.0570E-01 | 1.26856E+29 | 0.567005 |
| 4.3277E-01 | 1.26571E+29 | 0.565729 |
| 4.6226E-01 | 1.26286E+29 | 0.564457 |
| 4.6947E-01 | 1.26002E+29 | 0.563186 |
| 4.7012E-01 | 1.25718E+29 | 0.561918 |
| 4.6919E-01 | 1.25435E+29 | 0.560652 |
| 4.6685E-01 | 1.25153E+29 | 0.559389 |
| 4.6639E-01 | 1.2487E+29  | 0.558128 |
| 4.6965E-01 | 1.24589E+29 | 0.55687  |
| 4.7246E-01 | 1.24308E+29 | 0.555613 |
| 4.6221E-01 | 1.24027E+29 | 0.55436  |
| 4.5450E-01 | 1.23747E+29 | 0.553109 |
| 4.0056E-01 | 1.23468E+29 | 0.55186  |
| 4.3184E-01 | 1.23189E+29 | 0.550613 |
| 4.5238E-01 | 1.22911E+29 | 0.549369 |
| 4.4771E-01 | 1.22633E+29 | 0.548127 |
| 4.5612E-01 | 1.22356E+29 | 0.546888 |
| 4.4966E-01 | 1.22079E+29 | 0.545651 |
| 4.5565E-01 | 1.21803E+29 | 0.544417 |
| 4.5105E-01 | 1.21527E+29 | 0.543185 |
| 4.4310E-01 | 1.21252E+29 | 0.541955 |
| 4.3680E-01 | 1.20978E+29 | 0.540728 |
| 4.4911E-01 | 1.20704E+29 | 0.539504 |
| 4.5051E-01 | 1.2043E+29  | 0.538281 |
| 4.4911E-01 | 1.20157E+29 | 0.537061 |
| 4.4151E-01 | 1.19885E+29 | 0.535844 |
| 4.4284E-01 | 1.19613E+29 | 0.534629 |
| 4.2933E-01 | 1.19342E+29 | 0.533417 |
| 4.4075E-01 | 1.19071E+29 | 0.532206 |
| 4.3852E-01 | 1.18801E+29 | 0.530999 |
| 4.4049E-01 | 1.18531E+29 | 0.529793 |

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| 4.4570E-01 | 1.18262E+29 | 0.528591 |
| 4.3211E-01 | 1.17993E+29 | 0.52739  |
| 4.3091E-01 | 1.17725E+29 | 0.526192 |
| 4.3915E-01 | 1.17458E+29 | 0.524997 |
| 4.4056E-01 | 1.17191E+29 | 0.523804 |
| 4.3994E-01 | 1.16925E+29 | 0.522613 |
| 4.3851E-01 | 1.16659E+29 | 0.521425 |
| 4.3538E-01 | 1.16393E+29 | 0.520239 |
| 4.2857E-01 | 1.16129E+29 | 0.519056 |
| 4.3137E-01 | 1.15865E+29 | 0.517875 |
| 4.3231E-01 | 1.15601E+29 | 0.516696 |
| 4.3616E-01 | 1.15338E+29 | 0.51552  |
| 4.3271E-01 | 1.15075E+29 | 0.514347 |
| 4.3127E-01 | 1.14813E+29 | 0.513176 |
| 4.2669E-01 | 1.14552E+29 | 0.512007 |
| 4.2660E-01 | 1.14291E+29 | 0.510841 |
| 4.1939E-01 | 1.1403E+29  | 0.509677 |
| 4.0952E-01 | 1.13771E+29 | 0.508516 |
| 4.3059E-01 | 1.13511E+29 | 0.507357 |
| 4.2997E-01 | 1.13253E+29 | 0.5062   |
| 4.2857E-01 | 1.12994E+29 | 0.505046 |
| 4.2381E-01 | 1.12737E+29 | 0.503895 |
| 4.2694E-01 | 1.1248E+29  | 0.502745 |
| 4.2084E-01 | 1.12223E+29 | 0.501599 |
| 4.1341E-01 | 1.11967E+29 | 0.500454 |
| 4.1782E-01 | 1.11712E+29 | 0.499312 |
| 4.1891E-01 | 1.11457E+29 | 0.498173 |
| 4.1557E-01 | 1.11202E+29 | 0.497036 |
| 4.2026E-01 | 1.10948E+29 | 0.495901 |
| 4.1933E-01 | 1.10695E+29 | 0.494769 |
| 4.1471E-01 | 1.10442E+29 | 0.49364  |
| 4.1769E-01 | 1.1019E+29  | 0.492512 |
| 4.1485E-01 | 1.09938E+29 | 0.491387 |
| 4.1461E-01 | 1.09687E+29 | 0.490265 |
| 4.1648E-01 | 1.09437E+29 | 0.489145 |
| 4.1335E-01 | 1.09187E+29 | 0.488027 |
| 4.0630E-01 | 1.08937E+29 | 0.486912 |
| 4.0280E-01 | 1.08688E+29 | 0.485799 |
| 3.8905E-01 | 1.0844E+29  | 0.484689 |
| 4.0596E-01 | 1.08192E+29 | 0.483581 |
| 4.0916E-01 | 1.07945E+29 | 0.482476 |
| 3.9478E-01 | 1.07698E+29 | 0.481373 |
| 4.0994E-01 | 1.07452E+29 | 0.480272 |
| 4.0668E-01 | 1.07206E+29 | 0.479174 |
| 4.0595E-01 | 1.06961E+29 | 0.478078 |
| 4.0554E-01 | 1.06716E+29 | 0.476985 |
| 4.0653E-01 | 1.06472E+29 | 0.475893 |
| 4.0389E-01 | 1.06228E+29 | 0.474805 |
| 4.0597E-01 | 1.05985E+29 | 0.473719 |
| 4.0480E-01 | 1.05743E+29 | 0.472635 |
| 3.9963E-01 | 1.05501E+29 | 0.471553 |
| 3.9786E-01 | 1.0526E+29  | 0.470474 |

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| 3.9854E-01 | 1.05019E+29 | 0.469398 |
| 4.0120E-01 | 1.04778E+29 | 0.468324 |
| 3.9998E-01 | 1.04539E+29 | 0.467252 |
| 3.9216E-01 | 1.04299E+29 | 0.466182 |
| 3.8820E-01 | 1.04061E+29 | 0.465115 |
| 3.7636E-01 | 1.03822E+29 | 0.46405  |
| 3.9129E-01 | 1.03585E+29 | 0.462988 |
| 3.8214E-01 | 1.03348E+29 | 0.461928 |
| 3.8488E-01 | 1.03111E+29 | 0.460871 |
| 3.8813E-01 | 1.02875E+29 | 0.459816 |
| 3.8660E-01 | 1.02639E+29 | 0.458763 |
| 3.8813E-01 | 1.02404E+29 | 0.457712 |
| 3.8890E-01 | 1.0217E+29  | 0.456664 |
| 3.8687E-01 | 1.01936E+29 | 0.455619 |
| 3.8291E-01 | 1.01702E+29 | 0.454575 |
| 3.8470E-01 | 1.0147E+29  | 0.453534 |
| 3.8305E-01 | 1.01237E+29 | 0.452496 |
| 3.7908E-01 | 1.01005E+29 | 0.451459 |
| 3.5901E-01 | 1.00774E+29 | 0.450426 |
| 3.7442E-01 | 1.00543E+29 | 0.449394 |
| 3.7620E-01 | 1.00313E+29 | 0.448365 |
| 3.7884E-01 | 1.00083E+29 | 0.447338 |
| 3.8041E-01 | 9.9854E+28  | 0.446313 |
| 3.7641E-01 | 9.96254E+28 | 0.445291 |
| 3.7340E-01 | 9.93972E+28 | 0.444271 |
| 3.7429E-01 | 9.91695E+28 | 0.443254 |
| 3.7237E-01 | 9.89424E+28 | 0.442239 |
| 3.6792E-01 | 9.87158E+28 | 0.441226 |
| 3.7152E-01 | 9.84897E+28 | 0.440215 |
| 3.6694E-01 | 9.82642E+28 | 0.439207 |
| 3.7116E-01 | 9.80391E+28 | 0.438201 |
| 3.6660E-01 | 9.78146E+28 | 0.437198 |
| 3.6783E-01 | 9.75906E+28 | 0.436196 |
| 3.6947E-01 | 9.73671E+28 | 0.435198 |
| 3.6501E-01 | 9.71441E+28 | 0.434201 |
| 3.6781E-01 | 9.69216E+28 | 0.433207 |
| 3.6484E-01 | 9.66997E+28 | 0.432215 |
| 3.5893E-01 | 9.64783E+28 | 0.431225 |
| 3.6110E-01 | 9.62573E+28 | 0.430237 |
| 3.6440E-01 | 9.60369E+28 | 0.429252 |
| 3.6045E-01 | 9.5817E+28  | 0.428269 |
| 3.6321E-01 | 9.55977E+28 | 0.427289 |
| 3.5784E-01 | 9.53788E+28 | 0.426311 |
| 3.6187E-01 | 9.51604E+28 | 0.425335 |
| 3.6088E-01 | 9.49426E+28 | 0.424361 |
| 3.6358E-01 | 9.47252E+28 | 0.423389 |
| 3.6200E-01 | 9.45084E+28 | 0.42242  |
| 3.5892E-01 | 9.42921E+28 | 0.421453 |
| 3.5986E-01 | 9.40762E+28 | 0.420489 |
| 3.5770E-01 | 9.38609E+28 | 0.419526 |
| 3.5764E-01 | 9.36461E+28 | 0.418566 |
| 3.5653E-01 | 9.34318E+28 | 0.417608 |

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| 3.5247E-01 | 9.3218E+28  | 0.416653 |
| 3.5338E-01 | 9.30047E+28 | 0.415699 |
| 3.5556E-01 | 9.27919E+28 | 0.414748 |
| 3.5347E-01 | 9.25796E+28 | 0.413799 |
| 3.5312E-01 | 9.23678E+28 | 0.412852 |
| 3.5411E-01 | 9.21565E+28 | 0.411908 |
| 3.5197E-01 | 9.19457E+28 | 0.410966 |
| 3.5176E-01 | 9.17354E+28 | 0.410026 |
| 3.4687E-01 | 9.15255E+28 | 0.409088 |
| 3.4687E-01 | 9.13162E+28 | 0.408152 |
| 3.4641E-01 | 9.11074E+28 | 0.407219 |
| 3.4666E-01 | 9.08991E+28 | 0.406288 |
| 3.4893E-01 | 9.06913E+28 | 0.405359 |
| 3.4863E-01 | 9.04839E+28 | 0.404432 |
| 3.4471E-01 | 9.02771E+28 | 0.403508 |
| 3.4142E-01 | 9.00707E+28 | 0.402585 |
| 3.1916E-01 | 8.98649E+28 | 0.401665 |
| 3.3506E-01 | 8.96595E+28 | 0.400747 |
| 3.4124E-01 | 8.94546E+28 | 0.399831 |
| 3.4239E-01 | 8.92502E+28 | 0.398918 |
| 3.4049E-01 | 8.90463E+28 | 0.398006 |
| 3.4106E-01 | 8.88429E+28 | 0.397097 |
| 3.3876E-01 | 8.86399E+28 | 0.39619  |
| 3.3845E-01 | 8.84375E+28 | 0.395285 |
| 3.3595E-01 | 8.82355E+28 | 0.394382 |
| 3.3737E-01 | 8.8034E+28  | 0.393482 |
| 3.3176E-01 | 8.7833E+28  | 0.392583 |
| 3.3342E-01 | 8.76325E+28 | 0.391687 |
| 3.2987E-01 | 8.74324E+28 | 0.390793 |
| 3.3411E-01 | 8.72329E+28 | 0.389901 |
| 3.2496E-01 | 8.70338E+28 | 0.389011 |
| 3.2739E-01 | 8.68352E+28 | 0.388123 |
| 3.2820E-01 | 8.6637E+28  | 0.387238 |
| 3.2353E-01 | 8.64394E+28 | 0.386354 |
| 3.2633E-01 | 8.62422E+28 | 0.385473 |
| 3.2706E-01 | 8.60455E+28 | 0.384594 |
| 3.2641E-01 | 8.58492E+28 | 0.383717 |
| 3.2653E-01 | 8.56535E+28 | 0.382842 |
| 3.2490E-01 | 8.54582E+28 | 0.381969 |
| 3.2550E-01 | 8.52634E+28 | 0.381098 |
| 3.2213E-01 | 8.5069E+28  | 0.380229 |
| 3.2310E-01 | 8.48751E+28 | 0.379363 |
| 3.2206E-01 | 8.46817E+28 | 0.378498 |
| 3.2194E-01 | 8.44888E+28 | 0.377636 |
| 3.1653E-01 | 8.42963E+28 | 0.376776 |
| 3.1831E-01 | 8.41043E+28 | 0.375917 |
| 3.1933E-01 | 8.39128E+28 | 0.375061 |
| 3.1947E-01 | 8.37217E+28 | 0.374207 |
| 3.1620E-01 | 8.3531E+28  | 0.373355 |
| 3.1466E-01 | 8.33409E+28 | 0.372505 |
| 3.1699E-01 | 8.31512E+28 | 0.371657 |
| 3.1485E-01 | 8.29619E+28 | 0.370812 |

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| 3.1508E-01 | 8.27732E+28 | 0.369968 |
| 3.1520E-01 | 8.25848E+28 | 0.369126 |
| 3.1214E-01 | 8.2397E+28  | 0.368286 |
| 3.1372E-01 | 8.22096E+28 | 0.367449 |
| 3.1207E-01 | 8.20226E+28 | 0.366613 |
| 3.0407E-01 | 8.18361E+28 | 0.365779 |
| 3.0885E-01 | 8.16501E+28 | 0.364948 |
| 3.1177E-01 | 8.14645E+28 | 0.364118 |
| 3.1042E-01 | 8.12794E+28 | 0.363291 |
| 3.0867E-01 | 8.10947E+28 | 0.362465 |
| 3.0897E-01 | 8.09104E+28 | 0.361642 |
| 3.0741E-01 | 8.07266E+28 | 0.36082  |
| 3.0671E-01 | 8.05433E+28 | 0.360001 |
| 3.0567E-01 | 8.03604E+28 | 0.359184 |
| 3.0697E-01 | 8.0178E+28  | 0.358368 |
| 3.0639E-01 | 7.9996E+28  | 0.357555 |
| 3.0598E-01 | 7.98144E+28 | 0.356743 |
| 3.0316E-01 | 7.96333E+28 | 0.355934 |
| 2.9433E-01 | 7.94526E+28 | 0.355126 |
| 3.0267E-01 | 7.92724E+28 | 0.354321 |
| 2.9592E-01 | 7.90926E+28 | 0.353517 |
| 3.0183E-01 | 7.89133E+28 | 0.352715 |
| 2.9724E-01 | 7.87344E+28 | 0.351916 |
| 3.0169E-01 | 7.85559E+28 | 0.351118 |
| 3.0127E-01 | 7.83779E+28 | 0.350322 |
| 2.9477E-01 | 7.82003E+28 | 0.349529 |
| 2.9653E-01 | 7.80231E+28 | 0.348737 |
| 2.9688E-01 | 7.78464E+28 | 0.347947 |
| 2.8050E-01 | 7.76701E+28 | 0.347159 |
| 2.9022E-01 | 7.74943E+28 | 0.346373 |
| 2.9328E-01 | 7.73188E+28 | 0.345589 |
| 2.9473E-01 | 7.71439E+28 | 0.344807 |
| 2.8850E-01 | 7.69693E+28 | 0.344026 |
| 2.9441E-01 | 7.67952E+28 | 0.343248 |
| 2.8837E-01 | 7.66215E+28 | 0.342472 |
| 2.9163E-01 | 7.64482E+28 | 0.341697 |
| 2.9144E-01 | 7.62753E+28 | 0.340925 |
| 2.9193E-01 | 7.61029E+28 | 0.340154 |
| 2.8573E-01 | 7.59309E+28 | 0.339385 |
| 2.9062E-01 | 7.57593E+28 | 0.338618 |
| 2.8350E-01 | 7.55882E+28 | 0.337853 |
| 2.8127E-01 | 7.54174E+28 | 0.33709  |
| 2.8431E-01 | 7.52471E+28 | 0.336329 |
| 2.8661E-01 | 7.50772E+28 | 0.33557  |
| 2.8563E-01 | 7.49078E+28 | 0.334812 |
| 2.8744E-01 | 7.47387E+28 | 0.334056 |
| 2.7612E-01 | 7.45701E+28 | 0.333303 |
| 2.8351E-01 | 7.44018E+28 | 0.332551 |
| 2.8435E-01 | 7.4234E+28  | 0.331801 |
| 2.8218E-01 | 7.40666E+28 | 0.331053 |
| 2.8384E-01 | 7.38997E+28 | 0.330306 |
| 2.7867E-01 | 7.37331E+28 | 0.329562 |

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| 2.7648E-01 | 7.35669E+28 | 0.328819 |
| 2.6174E-01 | 7.34012E+28 | 0.328078 |
| 2.7195E-01 | 7.32359E+28 | 0.327339 |
| 2.7358E-01 | 7.30709E+28 | 0.326602 |
| 2.7591E-01 | 7.29064E+28 | 0.325867 |
| 2.7404E-01 | 7.27423E+28 | 0.325133 |
| 2.7178E-01 | 7.25786E+28 | 0.324402 |
| 2.8011E-01 | 7.24153E+28 | 0.323672 |
| 2.7965E-01 | 7.22524E+28 | 0.322944 |
| 2.7172E-01 | 7.20899E+28 | 0.322217 |
| 2.7778E-01 | 7.19279E+28 | 0.321493 |
| 2.7684E-01 | 7.17662E+28 | 0.32077  |
| 2.7591E-01 | 7.16049E+28 | 0.320049 |
| 2.7544E-01 | 7.1444E+28  | 0.31933  |
| 2.7358E-01 | 7.12835E+28 | 0.318613 |
| 2.7381E-01 | 7.11234E+28 | 0.317897 |
| 2.7334E-01 | 7.09637E+28 | 0.317184 |
| 2.7404E-01 | 7.08044E+28 | 0.316472 |
| 2.7194E-01 | 7.06455E+28 | 0.315761 |
| 2.7237E-01 | 7.0487E+28  | 0.315053 |
| 2.6984E-01 | 7.03289E+28 | 0.314346 |
| 2.7264E-01 | 7.01712E+28 | 0.313641 |
| 2.7171E-01 | 7.00139E+28 | 0.312938 |
| 2.6844E-01 | 6.98569E+28 | 0.312237 |
| 2.7218E-01 | 6.97004E+28 | 0.311537 |
| 2.6714E-01 | 6.95442E+28 | 0.310839 |
| 2.6681E-01 | 6.93885E+28 | 0.310143 |
| 2.6541E-01 | 6.92331E+28 | 0.309448 |
| 2.6704E-01 | 6.90781E+28 | 0.308755 |
| 2.6844E-01 | 6.89235E+28 | 0.308064 |
| 2.6797E-01 | 6.87693E+28 | 0.307375 |
| 2.6727E-01 | 6.86154E+28 | 0.306687 |
| 2.6616E-01 | 6.8462E+28  | 0.306002 |
| 2.5817E-01 | 6.83089E+28 | 0.305317 |
| 2.6227E-01 | 6.81562E+28 | 0.304635 |
| 2.6531E-01 | 6.80039E+28 | 0.303954 |
| 2.6535E-01 | 6.78519E+28 | 0.303275 |
| 2.6331E-01 | 6.77004E+28 | 0.302597 |
| 2.6517E-01 | 6.75492E+28 | 0.301922 |
| 2.6611E-01 | 6.73984E+28 | 0.301248 |
| 2.6231E-01 | 6.72479E+28 | 0.300575 |
| 2.6305E-01 | 6.70979E+28 | 0.299905 |
| 2.6261E-01 | 6.69482E+28 | 0.299236 |
| 2.6368E-01 | 6.67989E+28 | 0.298568 |
| 2.5769E-01 | 6.665E+28   | 0.297902 |
| 2.5397E-01 | 6.65014E+28 | 0.297238 |
| 2.5817E-01 | 6.63532E+28 | 0.296576 |
| 2.5944E-01 | 6.62054E+28 | 0.295915 |
| 2.5352E-01 | 6.60579E+28 | 0.295256 |
| 2.5925E-01 | 6.59108E+28 | 0.294599 |
| 2.5658E-01 | 6.57641E+28 | 0.293943 |
| 2.5444E-01 | 6.56177E+28 | 0.293289 |

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| 2.5677E-01 | 6.54717E+28 | 0.292636 |
| 2.5867E-01 | 6.53261E+28 | 0.291985 |
| 2.5867E-01 | 6.51808E+28 | 0.291336 |
| 2.5692E-01 | 6.50359E+28 | 0.290688 |
| 2.5578E-01 | 6.48914E+28 | 0.290042 |
| 2.5501E-01 | 6.47472E+28 | 0.289398 |
| 2.5458E-01 | 6.46034E+28 | 0.288755 |
| 2.5289E-01 | 6.44599E+28 | 0.288114 |
| 2.5354E-01 | 6.43168E+28 | 0.287474 |
| 2.5514E-01 | 6.4174E+28  | 0.286836 |
| 2.5551E-01 | 6.40317E+28 | 0.2862   |
| 2.5220E-01 | 6.38896E+28 | 0.285565 |
| 2.5383E-01 | 6.37479E+28 | 0.284931 |
| 2.5366E-01 | 6.36066E+28 | 0.2843   |
| 2.4999E-01 | 6.34656E+28 | 0.28367  |
| 2.4710E-01 | 6.3325E+28  | 0.283041 |
| 2.4229E-01 | 6.31847E+28 | 0.282414 |
| 2.4900E-01 | 6.30448E+28 | 0.281789 |
| 2.5074E-01 | 6.29052E+28 | 0.281165 |
| 2.4596E-01 | 6.2766E+28  | 0.280542 |
| 2.4968E-01 | 6.26271E+28 | 0.279922 |
| 2.4382E-01 | 6.24886E+28 | 0.279302 |
| 2.4736E-01 | 6.23504E+28 | 0.278685 |
| 2.4937E-01 | 6.22125E+28 | 0.278069 |
| 2.4108E-01 | 6.2075E+28  | 0.277454 |
| 2.4685E-01 | 6.19379E+28 | 0.276841 |
| 2.4778E-01 | 6.18011E+28 | 0.27623  |
| 2.4773E-01 | 6.16646E+28 | 0.27562  |
| 2.4597E-01 | 6.15285E+28 | 0.275011 |
| 2.4631E-01 | 6.13927E+28 | 0.274404 |
| 2.4207E-01 | 6.12572E+28 | 0.273799 |
| 2.3826E-01 | 6.11221E+28 | 0.273195 |
| 2.4415E-01 | 6.09873E+28 | 0.272592 |
| 2.4138E-01 | 6.08529E+28 | 0.271992 |
| 2.4045E-01 | 6.07188E+28 | 0.271392 |
| 2.4369E-01 | 6.0585E+28  | 0.270794 |
| 2.4203E-01 | 6.04516E+28 | 0.270198 |
| 2.4156E-01 | 6.03185E+28 | 0.269603 |
| 2.2792E-01 | 6.01857E+28 | 0.269009 |
| 2.3855E-01 | 6.00532E+28 | 0.268417 |
| 2.4092E-01 | 5.99211E+28 | 0.267827 |
| 2.4052E-01 | 5.97894E+28 | 0.267238 |
| 2.4022E-01 | 5.96579E+28 | 0.26665  |
| 2.3815E-01 | 5.95268E+28 | 0.266064 |
| 2.2597E-01 | 5.9396E+28  | 0.26548  |
| 2.3615E-01 | 5.92655E+28 | 0.264897 |
| 2.3975E-01 | 5.91354E+28 | 0.264315 |
| 2.3891E-01 | 5.90056E+28 | 0.263735 |
| 2.3839E-01 | 5.88761E+28 | 0.263156 |
| 2.3869E-01 | 5.87469E+28 | 0.262579 |
| 2.3619E-01 | 5.8618E+28  | 0.262003 |
| 2.3605E-01 | 5.84895E+28 | 0.261428 |

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| 2.3476E-01 | 5.83613E+28 | 0.260855 |
| 2.2977E-01 | 5.82334E+28 | 0.260283 |
| 2.2145E-01 | 5.81059E+28 | 0.259713 |
| 2.3345E-01 | 5.79786E+28 | 0.259145 |
| 2.3613E-01 | 5.78517E+28 | 0.258577 |
| 2.3672E-01 | 5.77251E+28 | 0.258011 |
| 2.2799E-01 | 5.75988E+28 | 0.257447 |
| 2.2734E-01 | 5.74728E+28 | 0.256884 |
| 2.3434E-01 | 5.73471E+28 | 0.256322 |
| 2.3282E-01 | 5.72218E+28 | 0.255762 |
| 2.3409E-01 | 5.70967E+28 | 0.255203 |
| 2.2858E-01 | 5.6972E+28  | 0.254645 |
| 2.1772E-01 | 5.68476E+28 | 0.254089 |
| 2.2981E-01 | 5.67235E+28 | 0.253534 |
| 2.2366E-01 | 5.65997E+28 | 0.252981 |
| 2.2906E-01 | 5.64762E+28 | 0.252429 |
| 2.2965E-01 | 5.6353E+28  | 0.251879 |
| 2.2844E-01 | 5.62301E+28 | 0.251329 |
| 2.2896E-01 | 5.61076E+28 | 0.250782 |
| 2.2819E-01 | 5.59853E+28 | 0.250235 |
| 2.2766E-01 | 5.58633E+28 | 0.24969  |
| 2.2689E-01 | 5.57417E+28 | 0.249146 |
| 2.2518E-01 | 5.56203E+28 | 0.248604 |
| 2.2611E-01 | 5.54993E+28 | 0.248063 |
| 2.2569E-01 | 5.53785E+28 | 0.247523 |
| 2.2471E-01 | 5.52581E+28 | 0.246985 |
| 2.2222E-01 | 5.51379E+28 | 0.246448 |
| 2.2514E-01 | 5.50181E+28 | 0.245912 |
| 2.2374E-01 | 5.48986E+28 | 0.245378 |
| 2.2421E-01 | 5.47793E+28 | 0.244845 |
| 2.1868E-01 | 5.46604E+28 | 0.244313 |
| 2.2149E-01 | 5.45417E+28 | 0.243783 |
| 2.2281E-01 | 5.44233E+28 | 0.243254 |
| 2.2176E-01 | 5.43053E+28 | 0.242726 |
| 2.2141E-01 | 5.41875E+28 | 0.2422   |
| 2.1894E-01 | 5.407E+28   | 0.241675 |
| 2.1997E-01 | 5.39528E+28 | 0.241151 |
| 2.1917E-01 | 5.3836E+28  | 0.240628 |
| 2.1776E-01 | 5.37194E+28 | 0.240107 |
| 2.1878E-01 | 5.3603E+28  | 0.239587 |
| 2.1844E-01 | 5.3487E+28  | 0.239069 |
| 2.1824E-01 | 5.33713E+28 | 0.238551 |
| 2.1585E-01 | 5.32558E+28 | 0.238035 |
| 2.1460E-01 | 5.31407E+28 | 0.237521 |
| 2.1680E-01 | 5.30258E+28 | 0.237007 |
| 2.1554E-01 | 5.29112E+28 | 0.236495 |
| 2.1314E-01 | 5.27969E+28 | 0.235984 |
| 2.1258E-01 | 5.26829E+28 | 0.235475 |
| 2.1289E-01 | 5.25692E+28 | 0.234966 |
| 2.1417E-01 | 5.24557E+28 | 0.234459 |
| 2.1370E-01 | 5.23426E+28 | 0.233953 |
| 2.1511E-01 | 5.22297E+28 | 0.233449 |

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| 2.1481E-01 | 5.21171E+28 | 0.232946 |
| 2.1410E-01 | 5.20048E+28 | 0.232443 |
| 2.1306E-01 | 5.18927E+28 | 0.231943 |
| 2.1099E-01 | 5.1781E+28  | 0.231443 |
| 2.1182E-01 | 5.16695E+28 | 0.230945 |
| 2.1176E-01 | 5.15583E+28 | 0.230448 |
| 2.1150E-01 | 5.14473E+28 | 0.229952 |
| 2.1098E-01 | 5.13367E+28 | 0.229457 |
| 2.0952E-01 | 5.12263E+28 | 0.228964 |
| 2.1063E-01 | 5.11162E+28 | 0.228472 |
| 2.0914E-01 | 5.10063E+28 | 0.227981 |
| 2.1017E-01 | 5.08968E+28 | 0.227491 |
| 2.0973E-01 | 5.07875E+28 | 0.227003 |
| 2.0659E-01 | 5.06785E+28 | 0.226515 |
| 2.0927E-01 | 5.05697E+28 | 0.226029 |
| 2.0634E-01 | 5.04612E+28 | 0.225544 |
| 2.0666E-01 | 5.0353E+28  | 0.225061 |
| 2.0829E-01 | 5.02451E+28 | 0.224578 |
| 2.0500E-01 | 5.01374E+28 | 0.224097 |
| 2.0352E-01 | 5.003E+28   | 0.223617 |
| 2.0561E-01 | 4.99229E+28 | 0.223138 |
| 2.0641E-01 | 4.9816E+28  | 0.22266  |
| 2.0677E-01 | 4.97094E+28 | 0.222184 |
| 2.0602E-01 | 4.9603E+28  | 0.221709 |
| 2.0581E-01 | 4.94969E+28 | 0.221234 |
| 2.0451E-01 | 4.93911E+28 | 0.220761 |
| 2.0575E-01 | 4.92856E+28 | 0.22029  |
| 2.0631E-01 | 4.91803E+28 | 0.219819 |
| 2.0629E-01 | 4.90752E+28 | 0.21935  |
| 2.0576E-01 | 4.89705E+28 | 0.218881 |
| 2.0446E-01 | 4.8866E+28  | 0.218414 |
| 2.0328E-01 | 4.87617E+28 | 0.217948 |
| 1.9732E-01 | 4.86577E+28 | 0.217483 |
| 1.7549E-01 | 4.8554E+28  | 0.21702  |
| 1.9215E-01 | 4.84505E+28 | 0.216557 |
| 1.9919E-01 | 4.83473E+28 | 0.216096 |
| 2.0032E-01 | 4.82443E+28 | 0.215635 |
| 2.0018E-01 | 4.81416E+28 | 0.215176 |
| 2.0092E-01 | 4.80391E+28 | 0.214718 |
| 1.9927E-01 | 4.79369E+28 | 0.214262 |
| 1.9960E-01 | 4.78349E+28 | 0.213806 |
| 1.9538E-01 | 4.77332E+28 | 0.213351 |
| 1.9682E-01 | 4.76318E+28 | 0.212898 |
| 1.9738E-01 | 4.75306E+28 | 0.212445 |
| 1.9730E-01 | 4.74296E+28 | 0.211994 |
| 1.9428E-01 | 4.73289E+28 | 0.211544 |
| 1.9582E-01 | 4.72285E+28 | 0.211095 |
| 1.9598E-01 | 4.71283E+28 | 0.210647 |
| 1.9476E-01 | 4.70283E+28 | 0.2102   |
| 1.9264E-01 | 4.69286E+28 | 0.209755 |
| 1.9468E-01 | 4.68291E+28 | 0.20931  |
| 1.9392E-01 | 4.67299E+28 | 0.208867 |

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| 1.9330E-01 | 4.66309E+28 | 0.208424 |
| 1.9120E-01 | 4.65322E+28 | 0.207983 |
| 1.9033E-01 | 4.64337E+28 | 0.207543 |
| 1.8969E-01 | 4.63355E+28 | 0.207104 |
| 1.9154E-01 | 4.62375E+28 | 0.206666 |
| 1.9159E-01 | 4.61397E+28 | 0.206229 |
| 1.9121E-01 | 4.60422E+28 | 0.205793 |
| 1.9082E-01 | 4.59449E+28 | 0.205358 |
| 1.9098E-01 | 4.58479E+28 | 0.204924 |
| 1.9007E-01 | 4.57511E+28 | 0.204492 |
| 1.8959E-01 | 4.56545E+28 | 0.20406  |
| 1.8821E-01 | 4.55582E+28 | 0.20363  |
| 1.8246E-01 | 4.54621E+28 | 0.2032   |
| 1.8801E-01 | 4.53663E+28 | 0.202772 |
| 1.8283E-01 | 4.52707E+28 | 0.202344 |
| 1.8404E-01 | 4.51753E+28 | 0.201918 |
| 1.8728E-01 | 4.50802E+28 | 0.201493 |
| 1.8463E-01 | 4.49852E+28 | 0.201069 |
| 1.8718E-01 | 4.48906E+28 | 0.200645 |
| 1.8616E-01 | 4.47961E+28 | 0.200223 |
| 1.8462E-01 | 4.47019E+28 | 0.199802 |
| 1.8458E-01 | 4.46079E+28 | 0.199382 |
| 1.8442E-01 | 4.45142E+28 | 0.198963 |
| 1.8448E-01 | 4.44207E+28 | 0.198545 |
| 1.8380E-01 | 4.43274E+28 | 0.198128 |
| 1.8314E-01 | 4.42343E+28 | 0.197712 |
| 1.8150E-01 | 4.41415E+28 | 0.197297 |
| 1.8236E-01 | 4.40489E+28 | 0.196884 |
| 1.7717E-01 | 4.39565E+28 | 0.196471 |
| 1.7996E-01 | 4.38644E+28 | 0.196059 |
| 1.8098E-01 | 4.37725E+28 | 0.195648 |
| 1.7670E-01 | 4.36808E+28 | 0.195238 |
| 1.8067E-01 | 4.35893E+28 | 0.194829 |
| 1.8060E-01 | 4.34981E+28 | 0.194421 |
| 1.8003E-01 | 4.3407E+28  | 0.194015 |
| 1.7848E-01 | 4.33162E+28 | 0.193609 |
| 1.7873E-01 | 4.32257E+28 | 0.193204 |
| 1.7784E-01 | 4.31353E+28 | 0.1928   |
| 1.7540E-01 | 4.30452E+28 | 0.192397 |
| 1.7479E-01 | 4.29553E+28 | 0.191995 |
| 1.7819E-01 | 4.28656E+28 | 0.191594 |
| 1.7750E-01 | 4.27761E+28 | 0.191195 |
| 1.7730E-01 | 4.26869E+28 | 0.190796 |
| 1.7734E-01 | 4.25978E+28 | 0.190398 |
| 1.7718E-01 | 4.2509E+28  | 0.190001 |
| 1.7532E-01 | 4.24204E+28 | 0.189605 |
| 1.7628E-01 | 4.2332E+28  | 0.18921  |
| 1.7584E-01 | 4.22439E+28 | 0.188816 |
| 1.7530E-01 | 4.21559E+28 | 0.188423 |
| 1.7311E-01 | 4.20682E+28 | 0.18803  |
| 1.7352E-01 | 4.19807E+28 | 0.187639 |
| 1.7522E-01 | 4.18934E+28 | 0.187249 |

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| 1.7461E-01 | 4.18063E+28 | 0.18686  |
| 1.7411E-01 | 4.17194E+28 | 0.186471 |
| 1.7193E-01 | 4.16327E+28 | 0.186084 |
| 1.7216E-01 | 4.15463E+28 | 0.185698 |
| 1.7012E-01 | 4.146E+28   | 0.185312 |
| 1.7272E-01 | 4.1374E+28  | 0.184928 |
| 1.7228E-01 | 4.12882E+28 | 0.184544 |
| 1.7023E-01 | 4.12025E+28 | 0.184161 |
| 1.7286E-01 | 4.11171E+28 | 0.18378  |
| 1.7244E-01 | 4.10319E+28 | 0.183399 |
| 1.6893E-01 | 4.09469E+28 | 0.183019 |
| 1.7126E-01 | 4.08622E+28 | 0.18264  |
| 1.7100E-01 | 4.07776E+28 | 0.182262 |
| 1.7083E-01 | 4.06932E+28 | 0.181885 |
| 1.6920E-01 | 4.0609E+28  | 0.181509 |
| 1.7067E-01 | 4.05251E+28 | 0.181133 |
| 1.6754E-01 | 4.04413E+28 | 0.180759 |
| 1.6766E-01 | 4.03578E+28 | 0.180385 |
| 1.6783E-01 | 4.02744E+28 | 0.180013 |
| 1.6953E-01 | 4.01913E+28 | 0.179641 |
| 1.6944E-01 | 4.01083E+28 | 0.179271 |
| 1.6943E-01 | 4.00256E+28 | 0.178901 |
| 1.6690E-01 | 3.99431E+28 | 0.178532 |
| 1.6503E-01 | 3.98607E+28 | 0.178164 |
| 1.6709E-01 | 3.97786E+28 | 0.177797 |
| 1.6644E-01 | 3.96966E+28 | 0.17743  |
| 1.6823E-01 | 3.96149E+28 | 0.177065 |
| 1.6658E-01 | 3.95334E+28 | 0.176701 |
| 1.6706E-01 | 3.9452E+28  | 0.176337 |
| 1.6468E-01 | 3.93709E+28 | 0.175974 |
| 1.6515E-01 | 3.92899E+28 | 0.175612 |
| 1.6617E-01 | 3.92092E+28 | 0.175252 |
| 1.6453E-01 | 3.91286E+28 | 0.174891 |
| 1.6570E-01 | 3.90482E+28 | 0.174532 |
| 1.6403E-01 | 3.89681E+28 | 0.174174 |
| 1.6469E-01 | 3.88881E+28 | 0.173816 |
| 1.6529E-01 | 3.88083E+28 | 0.17346  |
| 1.6217E-01 | 3.87287E+28 | 0.173104 |
| 1.6453E-01 | 3.86493E+28 | 0.172749 |
| 1.6423E-01 | 3.85701E+28 | 0.172395 |
| 1.6344E-01 | 3.84911E+28 | 0.172042 |
| 1.6228E-01 | 3.84123E+28 | 0.17169  |
| 1.6225E-01 | 3.83337E+28 | 0.171338 |
| 1.6313E-01 | 3.82552E+28 | 0.170988 |
| 1.6308E-01 | 3.8177E+28  | 0.170638 |
| 1.6317E-01 | 3.80989E+28 | 0.170289 |
| 1.6287E-01 | 3.80211E+28 | 0.169941 |
| 1.5824E-01 | 3.79434E+28 | 0.169594 |
| 1.5840E-01 | 3.78659E+28 | 0.169248 |
| 1.6065E-01 | 3.77886E+28 | 0.168902 |
| 1.5880E-01 | 3.77115E+28 | 0.168557 |
| 1.5923E-01 | 3.76345E+28 | 0.168213 |

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| 1.5879E-01 | 3.75578E+28 | 0.16787  |
| 1.5950E-01 | 3.74812E+28 | 0.167528 |
| 1.5913E-01 | 3.74048E+28 | 0.167187 |
| 1.5876E-01 | 3.73286E+28 | 0.166846 |
| 1.5928E-01 | 3.72526E+28 | 0.166507 |
| 1.5894E-01 | 3.71768E+28 | 0.166168 |
| 1.5764E-01 | 3.71012E+28 | 0.165829 |
| 1.5369E-01 | 3.70257E+28 | 0.165492 |
| 1.5542E-01 | 3.69504E+28 | 0.165156 |
| 1.5735E-01 | 3.68753E+28 | 0.16482  |
| 1.5736E-01 | 3.68004E+28 | 0.164485 |
| 1.5641E-01 | 3.67257E+28 | 0.164151 |
| 1.5755E-01 | 3.66511E+28 | 0.163818 |
| 1.5767E-01 | 3.65767E+28 | 0.163485 |
| 1.5589E-01 | 3.65025E+28 | 0.163154 |
| 1.5532E-01 | 3.64285E+28 | 0.162823 |
| 1.5683E-01 | 3.63547E+28 | 0.162493 |
| 1.5348E-01 | 3.6281E+28  | 0.162164 |
| 1.5352E-01 | 3.62075E+28 | 0.161835 |
| 1.5300E-01 | 3.61342E+28 | 0.161507 |
| 1.5526E-01 | 3.6061E+28  | 0.161181 |
| 1.5082E-01 | 3.59881E+28 | 0.160854 |
| 1.5287E-01 | 3.59153E+28 | 0.160529 |
| 1.5423E-01 | 3.58427E+28 | 0.160205 |
| 1.5101E-01 | 3.57703E+28 | 0.159881 |
| 1.5069E-01 | 3.5698E+28  | 0.159558 |
| 1.5136E-01 | 3.56259E+28 | 0.159236 |
| 1.5459E-01 | 3.5554E+28  | 0.158914 |
| 1.5437E-01 | 3.54822E+28 | 0.158593 |
| 1.5177E-01 | 3.54107E+28 | 0.158274 |
| 1.5281E-01 | 3.53393E+28 | 0.157954 |
| 1.5248E-01 | 3.5268E+28  | 0.157636 |
| 1.5306E-01 | 3.5197E+28  | 0.157318 |
| 1.5220E-01 | 3.51261E+28 | 0.157002 |
| 1.5339E-01 | 3.50554E+28 | 0.156685 |
| 1.4598E-01 | 3.49848E+28 | 0.15637  |
| 1.4797E-01 | 3.49144E+28 | 0.156056 |
| 1.4745E-01 | 3.48442E+28 | 0.155742 |
| 1.4837E-01 | 3.47742E+28 | 0.155429 |
| 1.4898E-01 | 3.47043E+28 | 0.155116 |
| 1.4906E-01 | 3.46346E+28 | 0.154805 |
| 1.5002E-01 | 3.4565E+28  | 0.154494 |
| 1.4827E-01 | 3.44956E+28 | 0.154184 |
| 1.4984E-01 | 3.44264E+28 | 0.153874 |
| 1.4951E-01 | 3.43574E+28 | 0.153566 |
| 1.4834E-01 | 3.42885E+28 | 0.153258 |
| 1.4644E-01 | 3.42198E+28 | 0.152951 |
| 1.4638E-01 | 3.41512E+28 | 0.152644 |
| 1.4724E-01 | 3.40828E+28 | 0.152339 |
| 1.4604E-01 | 3.40146E+28 | 0.152034 |
| 1.4570E-01 | 3.39465E+28 | 0.151729 |
| 1.4452E-01 | 3.38786E+28 | 0.151426 |

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| 1.4585E-01 | 3.38109E+28 | 0.151123 |
| 1.4758E-01 | 3.37433E+28 | 0.150821 |
| 1.4821E-01 | 3.36759E+28 | 0.15052  |
| 1.4644E-01 | 3.36086E+28 | 0.150219 |
| 1.4616E-01 | 3.35415E+28 | 0.149919 |
| 1.4481E-01 | 3.34746E+28 | 0.14962  |
| 1.4390E-01 | 3.34078E+28 | 0.149321 |
| 1.4388E-01 | 3.33412E+28 | 0.149024 |
| 1.4546E-01 | 3.32747E+28 | 0.148726 |
| 1.4331E-01 | 3.32084E+28 | 0.14843  |
| 1.4623E-01 | 3.31422E+28 | 0.148134 |
| 1.4356E-01 | 3.30762E+28 | 0.147839 |
| 1.4566E-01 | 3.30104E+28 | 0.147545 |
| 1.4477E-01 | 3.29447E+28 | 0.147252 |
| 1.4199E-01 | 3.28792E+28 | 0.146959 |
| 1.4277E-01 | 3.28138E+28 | 0.146667 |
| 1.4263E-01 | 3.27486E+28 | 0.146375 |
| 1.3868E-01 | 3.26835E+28 | 0.146084 |
| 1.4169E-01 | 3.26186E+28 | 0.145794 |
| 1.4178E-01 | 3.25539E+28 | 0.145505 |
| 1.4122E-01 | 3.24893E+28 | 0.145216 |
| 1.4112E-01 | 3.24248E+28 | 0.144928 |
| 1.4221E-01 | 3.23605E+28 | 0.144641 |
| 1.4298E-01 | 3.22964E+28 | 0.144354 |
| 1.4089E-01 | 3.22324E+28 | 0.144068 |
| 1.4221E-01 | 3.21686E+28 | 0.143783 |
| 1.3918E-01 | 3.21049E+28 | 0.143498 |
| 1.4086E-01 | 3.20413E+28 | 0.143214 |
| 1.4289E-01 | 3.1978E+28  | 0.142931 |
| 1.4084E-01 | 3.19147E+28 | 0.142648 |
| 1.4000E-01 | 3.18516E+28 | 0.142366 |
| 1.2383E-01 | 3.17887E+28 | 0.142085 |
| 1.3964E-01 | 3.17259E+28 | 0.141804 |
| 1.4049E-01 | 3.16633E+28 | 0.141524 |
| 1.4087E-01 | 3.16008E+28 | 0.141245 |
| 1.3900E-01 | 3.15384E+28 | 0.140966 |
| 1.4099E-01 | 3.14762E+28 | 0.140688 |
| 1.4094E-01 | 3.14142E+28 | 0.140411 |
| 1.4040E-01 | 3.13522E+28 | 0.140134 |
| 1.3604E-01 | 3.12905E+28 | 0.139858 |
| 1.3858E-01 | 3.12289E+28 | 0.139582 |
| 1.3980E-01 | 3.11674E+28 | 0.139308 |
| 1.3785E-01 | 3.11061E+28 | 0.139033 |
| 1.4042E-01 | 3.10449E+28 | 0.13876  |
| 1.4001E-01 | 3.09838E+28 | 0.138487 |
| 1.3886E-01 | 3.09229E+28 | 0.138215 |
| 1.2568E-01 | 3.08622E+28 | 0.137943 |
| 1.3221E-01 | 3.08016E+28 | 0.137672 |
| 1.2675E-01 | 3.07411E+28 | 0.137402 |
| 1.3243E-01 | 3.06808E+28 | 0.137133 |
| 1.3714E-01 | 3.06206E+28 | 0.136864 |
| 1.3552E-01 | 3.05605E+28 | 0.136595 |

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| 1.3448E-01 | 3.05006E+28 | 0.136327 |
| 1.3723E-01 | 3.04409E+28 | 0.13606  |
| 1.3747E-01 | 3.03813E+28 | 0.135794 |
| 1.3466E-01 | 3.03218E+28 | 0.135528 |
| 1.3412E-01 | 3.02624E+28 | 0.135263 |
| 1.3305E-01 | 3.02032E+28 | 0.134998 |
| 1.3449E-01 | 3.01442E+28 | 0.134734 |
| 1.3408E-01 | 3.00852E+28 | 0.134471 |
| 1.3317E-01 | 3.00264E+28 | 0.134208 |
| 1.3525E-01 | 2.99678E+28 | 0.133946 |
| 1.3303E-01 | 2.99093E+28 | 0.133684 |
| 1.3439E-01 | 2.98509E+28 | 0.133423 |
| 1.3111E-01 | 2.97927E+28 | 0.133163 |
| 1.3086E-01 | 2.97345E+28 | 0.132903 |
| 1.3281E-01 | 2.96766E+28 | 0.132644 |
| 1.3287E-01 | 2.96187E+28 | 0.132386 |
| 1.3000E-01 | 2.9561E+28  | 0.132128 |
| 1.3350E-01 | 2.95035E+28 | 0.13187  |
| 1.3211E-01 | 2.9446E+28  | 0.131614 |
| 1.3301E-01 | 2.93887E+28 | 0.131358 |
| 1.3207E-01 | 2.93316E+28 | 0.131102 |
| 1.2479E-01 | 2.92745E+28 | 0.130847 |
| 1.3199E-01 | 2.92177E+28 | 0.130593 |
| 1.3195E-01 | 2.91609E+28 | 0.130339 |
| 1.3091E-01 | 2.91043E+28 | 0.130086 |
| 1.2859E-01 | 2.90478E+28 | 0.129834 |
| 1.2957E-01 | 2.89914E+28 | 0.129582 |
| 1.3099E-01 | 2.89351E+28 | 0.12933  |
| 1.3117E-01 | 2.8879E+28  | 0.129079 |
| 1.2763E-01 | 2.88231E+28 | 0.128829 |
| 1.2982E-01 | 2.87672E+28 | 0.12858  |
| 1.2538E-01 | 2.87115E+28 | 0.128331 |
| 1.2744E-01 | 2.86559E+28 | 0.128082 |
| 1.2855E-01 | 2.86004E+28 | 0.127834 |
| 1.2838E-01 | 2.85451E+28 | 0.127587 |
| 1.2939E-01 | 2.84899E+28 | 0.12734  |
| 1.2964E-01 | 2.84348E+28 | 0.127094 |
| 1.2942E-01 | 2.83799E+28 | 0.126848 |
| 1.2770E-01 | 2.83251E+28 | 0.126603 |
| 1.2464E-01 | 2.82704E+28 | 0.126359 |
| 1.2730E-01 | 2.82158E+28 | 0.126115 |
| 1.2587E-01 | 2.81614E+28 | 0.125872 |
| 1.2640E-01 | 2.81071E+28 | 0.125629 |
| 1.2792E-01 | 2.80529E+28 | 0.125387 |
| 1.2647E-01 | 2.79988E+28 | 0.125145 |
| 1.2369E-01 | 2.79449E+28 | 0.124904 |
| 1.2471E-01 | 2.78911E+28 | 0.124664 |
| 1.2275E-01 | 2.78374E+28 | 0.124424 |
| 1.2611E-01 | 2.77838E+28 | 0.124184 |
| 1.2514E-01 | 2.77304E+28 | 0.123945 |
| 1.2502E-01 | 2.76771E+28 | 0.123707 |
| 1.2393E-01 | 2.76239E+28 | 0.123469 |

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| 1.2590E-01 | 2.75708E+28 | 0.123232 |
| 1.2527E-01 | 2.75178E+28 | 0.122995 |
| 1.2459E-01 | 2.7465E+28  | 0.122759 |
| 1.2282E-01 | 2.74123E+28 | 0.122524 |
| 1.2457E-01 | 2.73597E+28 | 0.122289 |
| 1.2261E-01 | 2.73073E+28 | 0.122054 |
| 1.2303E-01 | 2.72549E+28 | 0.12182  |
| 1.2158E-01 | 2.72027E+28 | 0.121587 |
| 1.2267E-01 | 2.71506E+28 | 0.121354 |
| 1.2170E-01 | 2.70986E+28 | 0.121122 |
| 1.2450E-01 | 2.70468E+28 | 0.12089  |
| 1.2462E-01 | 2.6995E+28  | 0.120659 |
| 1.2299E-01 | 2.69434E+28 | 0.120428 |
| 1.2241E-01 | 2.68919E+28 | 0.120198 |
| 1.1549E-01 | 2.68405E+28 | 0.119968 |
| 1.2153E-01 | 2.67893E+28 | 0.119739 |
| 1.1060E-01 | 2.67381E+28 | 0.11951  |
| 1.2009E-01 | 2.66871E+28 | 0.119282 |
| 1.2216E-01 | 2.66362E+28 | 0.119055 |
| 1.2316E-01 | 2.65854E+28 | 0.118827 |
| 1.2364E-01 | 2.65347E+28 | 0.118601 |
| 1.1864E-01 | 2.64841E+28 | 0.118375 |
| 1.2031E-01 | 2.64337E+28 | 0.118149 |
| 1.1881E-01 | 2.63833E+28 | 0.117924 |
| 1.2231E-01 | 2.63331E+28 | 0.1177   |
| 1.2053E-01 | 2.6283E+28  | 0.117476 |
| 1.1901E-01 | 2.6233E+28  | 0.117253 |
| 1.1694E-01 | 2.61832E+28 | 0.11703  |
| 1.0809E-01 | 2.61334E+28 | 0.116807 |
| 1.1276E-01 | 2.60837E+28 | 0.116585 |
| 1.1266E-01 | 2.60342E+28 | 0.116364 |
| 1.1805E-01 | 2.59848E+28 | 0.116143 |
| 1.2022E-01 | 2.59355E+28 | 0.115923 |
| 1.1972E-01 | 2.58863E+28 | 0.115703 |
| 1.2028E-01 | 2.58372E+28 | 0.115484 |
| 1.1415E-01 | 2.57882E+28 | 0.115265 |
| 1.1603E-01 | 2.57394E+28 | 0.115046 |
| 1.1965E-01 | 2.56906E+28 | 0.114828 |
| 1.1661E-01 | 2.5642E+28  | 0.114611 |
| 1.1792E-01 | 2.55935E+28 | 0.114394 |
| 1.1435E-01 | 2.55451E+28 | 0.114178 |
| 1.1605E-01 | 2.54968E+28 | 0.113962 |
| 1.1625E-01 | 2.54486E+28 | 0.113746 |
| 1.1672E-01 | 2.54005E+28 | 0.113532 |
| 1.1533E-01 | 2.53525E+28 | 0.113317 |
| 1.1554E-01 | 2.53047E+28 | 0.113103 |
| 1.1458E-01 | 2.52569E+28 | 0.11289  |
| 1.1671E-01 | 2.52092E+28 | 0.112677 |
| 1.1605E-01 | 2.51617E+28 | 0.112464 |
| 1.0883E-01 | 2.51143E+28 | 0.112252 |
| 1.1241E-01 | 2.5067E+28  | 0.112041 |
| 1.1263E-01 | 2.50197E+28 | 0.11183  |

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| 1.1476E-01 | 2.49726E+28 | 0.111619 |
| 1.1368E-01 | 2.49256E+28 | 0.111409 |
| 1.1407E-01 | 2.48787E+28 | 0.111199 |
| 1.0853E-01 | 2.48319E+28 | 0.11099  |
| 1.1038E-01 | 2.47853E+28 | 0.110782 |
| 1.1398E-01 | 2.47387E+28 | 0.110573 |
| 1.1309E-01 | 2.46922E+28 | 0.110366 |
| 1.0928E-01 | 2.46459E+28 | 0.110159 |
| 1.0918E-01 | 2.45996E+28 | 0.109952 |
| 1.1065E-01 | 2.45534E+28 | 0.109745 |
| 1.1282E-01 | 2.45074E+28 | 0.10954  |
| 1.1317E-01 | 2.44614E+28 | 0.109334 |
| 1.1086E-01 | 2.44156E+28 | 0.109129 |
| 1.1185E-01 | 2.43699E+28 | 0.108925 |
| 1.1222E-01 | 2.43242E+28 | 0.108721 |
| 1.1274E-01 | 2.42787E+28 | 0.108517 |
| 1.1256E-01 | 2.42333E+28 | 0.108314 |
| 1.1043E-01 | 2.41879E+28 | 0.108112 |
| 1.1173E-01 | 2.41427E+28 | 0.10791  |
| 1.1150E-01 | 2.40976E+28 | 0.107708 |
| 1.1011E-01 | 2.40526E+28 | 0.107507 |
| 1.0866E-01 | 2.40076E+28 | 0.107306 |
| 1.1081E-01 | 2.39628E+28 | 0.107106 |
| 1.1053E-01 | 2.39181E+28 | 0.106906 |
| 1.0620E-01 | 2.38735E+28 | 0.106706 |
| 1.0601E-01 | 2.3829E+28  | 0.106507 |
| 1.0366E-01 | 2.37845E+28 | 0.106309 |
| 1.0537E-01 | 2.37402E+28 | 0.106111 |
| 1.0454E-01 | 2.3696E+28  | 0.105913 |
| 1.0458E-01 | 2.36519E+28 | 0.105716 |
| 1.0681E-01 | 2.36079E+28 | 0.105519 |
| 1.0538E-01 | 2.3564E+28  | 0.105323 |
| 1.0510E-01 | 2.35201E+28 | 0.105127 |
| 1.0690E-01 | 2.34764E+28 | 0.104932 |
| 1.0696E-01 | 2.34328E+28 | 0.104737 |
| 1.0690E-01 | 2.33893E+28 | 0.104542 |
| 1.0436E-01 | 2.33458E+28 | 0.104348 |
| 1.0663E-01 | 2.33025E+28 | 0.104154 |
| 1.0443E-01 | 2.32593E+28 | 0.103961 |
| 1.0645E-01 | 2.32161E+28 | 0.103768 |
| 1.0520E-01 | 2.31731E+28 | 0.103576 |
| 1.0576E-01 | 2.31302E+28 | 0.103384 |
| 1.0453E-01 | 2.30873E+28 | 0.103192 |
| 1.0554E-01 | 2.30446E+28 | 0.103001 |
| 1.0534E-01 | 2.30019E+28 | 0.102811 |
| 1.0519E-01 | 2.29593E+28 | 0.10262  |
| 1.0374E-01 | 2.29169E+28 | 0.102431 |
| 1.0463E-01 | 2.28745E+28 | 0.102241 |
| 1.0524E-01 | 2.28322E+28 | 0.102052 |
| 1.0467E-01 | 2.279E+28   | 0.101864 |
| 1.0394E-01 | 2.2748E+28  | 0.101676 |
| 1.0388E-01 | 2.2706E+28  | 0.101488 |

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| 1.0335E-01 | 2.26641E+28 | 0.101301 |
| 1.0202E-01 | 2.26223E+28 | 0.101114 |
| 1.0278E-01 | 2.25805E+28 | 0.100927 |
| 1.0092E-01 | 2.25389E+28 | 0.100741 |
| 1.0182E-01 | 2.24974E+28 | 0.100556 |
| 1.0368E-01 | 2.2456E+28  | 0.10037  |
| 1.0316E-01 | 2.24146E+28 | 0.100186 |
| 9.9020E-02 | 2.23734E+28 | 0.100001 |
| 1.0087E-01 | 2.23322E+28 | 0.099817 |
| 1.0227E-01 | 2.22911E+28 | 0.099634 |
| 1.0094E-01 | 2.22502E+28 | 0.099451 |
| 9.9528E-02 | 2.22093E+28 | 0.099268 |
| 1.0060E-01 | 2.21685E+28 | 0.099086 |
| 1.0077E-01 | 2.21278E+28 | 0.098904 |
| 9.9416E-02 | 2.20872E+28 | 0.098722 |
| 9.6363E-02 | 2.20467E+28 | 0.098541 |
| 9.2661E-02 | 2.20062E+28 | 0.09836  |
| 9.4963E-02 | 2.19659E+28 | 0.09818  |
| 9.7540E-02 | 2.19256E+28 | 0.098    |
| 9.8964E-02 | 2.18855E+28 | 0.097821 |
| 9.9468E-02 | 2.18454E+28 | 0.097641 |
| 9.8161E-02 | 2.18054E+28 | 0.097463 |
| 9.8613E-02 | 2.17655E+28 | 0.097284 |
| 9.8417E-02 | 2.17257E+28 | 0.097106 |
| 9.7129E-02 | 2.1686E+28  | 0.096929 |
| 9.7316E-02 | 2.16464E+28 | 0.096752 |
| 9.8987E-02 | 2.16068E+28 | 0.096575 |
| 9.9024E-02 | 2.15674E+28 | 0.096399 |
| 9.8609E-02 | 2.1528E+28  | 0.096223 |
| 9.8357E-02 | 2.14887E+28 | 0.096047 |
| 9.8296E-02 | 2.14495E+28 | 0.095872 |
| 9.7862E-02 | 2.14104E+28 | 0.095697 |
| 9.7339E-02 | 2.13714E+28 | 0.095523 |
| 9.7474E-02 | 2.13324E+28 | 0.095349 |
| 9.7124E-02 | 2.12936E+28 | 0.095175 |
| 9.5887E-02 | 2.12548E+28 | 0.095002 |
| 9.5798E-02 | 2.11775E+28 | 0.094656 |
| 9.5369E-02 | 2.10623E+28 | 0.094141 |
| 9.2876E-02 | 2.08718E+28 | 0.09329  |
| 9.4253E-02 | 2.06835E+28 | 0.092448 |
| 9.2432E-02 | 2.04972E+28 | 0.091615 |
| 9.1914E-02 | 2.03129E+28 | 0.090792 |
| 9.0145E-02 | 2.01307E+28 | 0.089977 |
| 8.4967E-02 | 1.99504E+28 | 0.089171 |
| 8.8707E-02 | 1.97721E+28 | 0.088374 |
| 8.6947E-02 | 1.95957E+28 | 0.087586 |
| 8.6452E-02 | 1.94212E+28 | 0.086806 |
| 8.6410E-02 | 1.92486E+28 | 0.086035 |
| 8.5168E-02 | 1.90779E+28 | 0.085272 |
| 8.4701E-02 | 1.8909E+28  | 0.084517 |
| 8.3889E-02 | 1.87419E+28 | 0.08377  |
| 8.2166E-02 | 1.85766E+28 | 0.083031 |

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| 8.1947E-02 | 1.84131E+28 | 0.0823   |
| 8.1284E-02 | 1.82513E+28 | 0.081577 |
| 8.1097E-02 | 1.80913E+28 | 0.080862 |
| 7.9841E-02 | 1.79329E+28 | 0.080154 |
| 7.8431E-02 | 1.77762E+28 | 0.079454 |
| 7.8824E-02 | 1.76213E+28 | 0.078761 |
| 7.8707E-02 | 1.74679E+28 | 0.078076 |
| 7.2362E-02 | 1.73162E+28 | 0.077397 |
| 7.4697E-02 | 1.7166E+28  | 0.076726 |
| 7.5896E-02 | 1.70175E+28 | 0.076062 |
| 7.4328E-02 | 1.68705E+28 | 0.075405 |
| 7.3576E-02 | 1.67251E+28 | 0.074755 |
| 7.2605E-02 | 1.65812E+28 | 0.074112 |
| 7.1373E-02 | 1.64388E+28 | 0.073476 |
| 7.1601E-02 | 1.62978E+28 | 0.072846 |
| 7.0616E-02 | 1.61584E+28 | 0.072223 |
| 6.9715E-02 | 1.60204E+28 | 0.071606 |
| 6.8674E-02 | 1.58839E+28 | 0.070995 |
| 6.7997E-02 | 1.57487E+28 | 0.070391 |
| 6.1769E-02 | 1.5615E+28  | 0.069794 |
| 6.8473E-02 | 1.54826E+28 | 0.069202 |
| 6.8035E-02 | 1.53516E+28 | 0.068617 |
| 6.5551E-02 | 1.5222E+28  | 0.068037 |
| 6.4622E-02 | 1.50937E+28 | 0.067464 |
| 6.5551E-02 | 1.49667E+28 | 0.066896 |
| 6.4911E-02 | 1.4841E+28  | 0.066334 |
| 6.3744E-02 | 1.47167E+28 | 0.065778 |
| 6.3543E-02 | 1.45935E+28 | 0.065228 |
| 6.2852E-02 | 1.44717E+28 | 0.064683 |
| 6.2778E-02 | 1.4351E+28  | 0.064144 |
| 6.1368E-02 | 1.42317E+28 | 0.063611 |
| 6.1825E-02 | 1.41135E+28 | 0.063082 |
| 6.0458E-02 | 1.39965E+28 | 0.06256  |
| 5.5789E-02 | 1.38807E+28 | 0.062042 |
| 5.8950E-02 | 1.37661E+28 | 0.06153  |
| 5.9911E-02 | 1.36526E+28 | 0.061022 |
| 5.8870E-02 | 1.35403E+28 | 0.06052  |
| 5.7381E-02 | 1.34291E+28 | 0.060023 |
| 5.7773E-02 | 1.3319E+28  | 0.059531 |
| 5.6723E-02 | 1.321E+28   | 0.059044 |
| 5.5873E-02 | 1.31021E+28 | 0.058562 |
| 5.5565E-02 | 1.29953E+28 | 0.058085 |
| 5.5915E-02 | 1.28896E+28 | 0.057612 |
| 5.4547E-02 | 1.27849E+28 | 0.057144 |
| 5.4496E-02 | 1.26812E+28 | 0.056681 |
| 5.3693E-02 | 1.25786E+28 | 0.056222 |
| 5.3744E-02 | 1.2477E+28  | 0.055768 |
| 5.3217E-02 | 1.23764E+28 | 0.055318 |
| 5.2250E-02 | 1.22767E+28 | 0.054873 |
| 5.2176E-02 | 1.21781E+28 | 0.054432 |
| 5.1209E-02 | 1.20805E+28 | 0.053995 |
| 5.0957E-02 | 1.19838E+28 | 0.053563 |

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| 5.0047E-02 | 1.1888E+28  | 0.053135 |
| 5.0215E-02 | 1.17932E+28 | 0.052711 |
| 4.9449E-02 | 1.16993E+28 | 0.052292 |
| 4.8884E-02 | 1.16063E+28 | 0.051876 |
| 4.8179E-02 | 1.15142E+28 | 0.051465 |
| 4.7535E-02 | 1.14231E+28 | 0.051057 |
| 4.7129E-02 | 1.13328E+28 | 0.050654 |
| 4.7129E-02 | 1.12433E+28 | 0.050254 |
| 4.6373E-02 | 1.11548E+28 | 0.049858 |
| 4.5892E-02 | 1.10671E+28 | 0.049466 |
| 4.5537E-02 | 1.09802E+28 | 0.049078 |
| 4.4813E-02 | 1.08942E+28 | 0.048693 |
| 4.4930E-02 | 1.0809E+28  | 0.048313 |
| 4.4701E-02 | 1.07247E+28 | 0.047936 |
| 4.4178E-02 | 1.06411E+28 | 0.047562 |
| 4.3814E-02 | 1.05583E+28 | 0.047192 |
| 4.3483E-02 | 1.04764E+28 | 0.046826 |
| 4.3035E-02 | 1.03952E+28 | 0.046463 |
| 4.3128E-02 | 1.03147E+28 | 0.046103 |
| 4.2540E-02 | 1.02351E+28 | 0.045747 |
| 4.2507E-02 | 1.01562E+28 | 0.045395 |
| 4.1989E-02 | 1.0078E+28  | 0.045045 |
| 4.1881E-02 | 1.00006E+28 | 0.044699 |
| 4.1494E-02 | 9.92389E+27 | 0.044356 |
| 4.1032E-02 | 9.84792E+27 | 0.044017 |
| 3.8282E-02 | 9.77267E+27 | 0.04368  |
| 3.9855E-02 | 9.69812E+27 | 0.043347 |
| 4.0037E-02 | 9.62427E+27 | 0.043017 |
| 3.9514E-02 | 9.55111E+27 | 0.04269  |
| 3.9533E-02 | 9.47863E+27 | 0.042366 |
| 3.8814E-02 | 9.40683E+27 | 0.042045 |
| 3.8968E-02 | 9.3357E+27  | 0.041727 |
| 3.8651E-02 | 9.26522E+27 | 0.041412 |
| 3.7768E-02 | 9.19541E+27 | 0.0411   |
| 3.7726E-02 | 9.12623E+27 | 0.040791 |
| 3.7540E-02 | 9.0577E+27  | 0.040485 |
| 3.7344E-02 | 8.9898E+27  | 0.040181 |
| 3.6807E-02 | 8.92253E+27 | 0.039881 |
| 3.6601E-02 | 8.85587E+27 | 0.039583 |
| 3.6382E-02 | 8.78983E+27 | 0.039288 |
| 3.5719E-02 | 8.72439E+27 | 0.038995 |
| 3.5598E-02 | 8.65955E+27 | 0.038705 |
| 3.5187E-02 | 8.59531E+27 | 0.038418 |
| 3.4706E-02 | 8.53165E+27 | 0.038134 |
| 3.4589E-02 | 8.46857E+27 | 0.037852 |
| 3.4211E-02 | 8.40606E+27 | 0.037572 |
| 3.4127E-02 | 8.34412E+27 | 0.037295 |
| 3.3908E-02 | 8.28275E+27 | 0.037021 |
| 3.3329E-02 | 8.22193E+27 | 0.036749 |
| 3.3324E-02 | 8.16165E+27 | 0.03648  |
| 3.3235E-02 | 8.10193E+27 | 0.036213 |
| 3.2353E-02 | 8.04274E+27 | 0.035948 |

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| 3.2512E-02 | 7.98408E+27 | 0.035686 |
| 3.2400E-02 | 7.92595E+27 | 0.035426 |
| 3.2166E-02 | 7.86834E+27 | 0.035169 |
| 3.1816E-02 | 7.81124E+27 | 0.034914 |
| 3.1573E-02 | 7.75466E+27 | 0.034661 |
| 3.0607E-02 | 7.69858E+27 | 0.03441  |
| 3.0915E-02 | 7.64299E+27 | 0.034162 |
| 3.0682E-02 | 7.58791E+27 | 0.033915 |
| 3.0448E-02 | 7.53331E+27 | 0.033671 |
| 3.0392E-02 | 7.4792E+27  | 0.033429 |
| 3.0037E-02 | 7.42556E+27 | 0.03319  |
| 2.9225E-02 | 7.3724E+27  | 0.032952 |
| 2.9444E-02 | 7.31971E+27 | 0.032717 |
| 2.9416E-02 | 7.26748E+27 | 0.032483 |
| 2.9127E-02 | 7.21571E+27 | 0.032252 |
| 2.8669E-02 | 7.16439E+27 | 0.032022 |
| 2.8856E-02 | 7.11353E+27 | 0.031795 |
| 2.7605E-02 | 7.06311E+27 | 0.03157  |
| 2.8179E-02 | 7.01313E+27 | 0.031346 |
| 2.8044E-02 | 6.96358E+27 | 0.031125 |
| 2.7890E-02 | 6.91447E+27 | 0.030905 |
| 2.7750E-02 | 6.86579E+27 | 0.030688 |
| 2.7614E-02 | 6.81752E+27 | 0.030472 |
| 2.6601E-02 | 6.76968E+27 | 0.030258 |
| 2.6993E-02 | 6.72225E+27 | 0.030046 |
| 2.6765E-02 | 6.67523E+27 | 0.029836 |
| 2.6699E-02 | 6.62861E+27 | 0.029628 |
| 2.6363E-02 | 6.5824E+27  | 0.029421 |
| 2.6270E-02 | 6.53658E+27 | 0.029216 |
| 2.5938E-02 | 6.49116E+27 | 0.029013 |
| 2.5486E-02 | 6.44612E+27 | 0.028812 |
| 2.5285E-02 | 6.40147E+27 | 0.028612 |
| 2.5448E-02 | 6.35721E+27 | 0.028415 |
| 2.5350E-02 | 6.31332E+27 | 0.028218 |
| 2.4930E-02 | 6.2698E+27  | 0.028024 |
| 2.4916E-02 | 6.22666E+27 | 0.027831 |
| 2.4323E-02 | 6.18388E+27 | 0.02764  |
| 2.4169E-02 | 6.14146E+27 | 0.02745  |
| 2.4379E-02 | 6.0994E+27  | 0.027262 |
| 2.2824E-02 | 6.0577E+27  | 0.027076 |
| 2.3987E-02 | 6.01635E+27 | 0.026891 |
| 2.3725E-02 | 5.97535E+27 | 0.026708 |
| 2.3156E-02 | 5.93469E+27 | 0.026526 |
| 2.2764E-02 | 5.89437E+27 | 0.026346 |
| 2.2474E-02 | 5.8544E+27  | 0.026167 |
| 2.2246E-02 | 5.81475E+27 | 0.02599  |
| 2.2269E-02 | 5.77544E+27 | 0.025814 |
| 2.1998E-02 | 5.73646E+27 | 0.02564  |
| 2.1835E-02 | 5.6978E+27  | 0.025467 |
| 2.1760E-02 | 5.65946E+27 | 0.025296 |
| 2.1597E-02 | 5.62144E+27 | 0.025126 |
| 2.1443E-02 | 5.58374E+27 | 0.024957 |

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| 2.1195E-02 | 5.54635E+27 | 0.02479  |
| 2.1083E-02 | 5.50927E+27 | 0.024625 |
| 2.0938E-02 | 5.47249E+27 | 0.02446  |
| 2.0766E-02 | 5.43602E+27 | 0.024297 |
| 2.0588E-02 | 5.39985E+27 | 0.024135 |
| 2.0201E-02 | 5.36397E+27 | 0.023975 |
| 2.0266E-02 | 5.32839E+27 | 0.023816 |
| 2.0093E-02 | 5.29311E+27 | 0.023658 |
| 2.0033E-02 | 5.25811E+27 | 0.023502 |
| 1.9981E-02 | 5.22339E+27 | 0.023347 |
| 1.9841E-02 | 5.18896E+27 | 0.023193 |
| 1.9739E-02 | 5.15481E+27 | 0.02304  |
| 1.9561E-02 | 5.12094E+27 | 0.022889 |
| 1.8945E-02 | 5.08734E+27 | 0.022739 |
| 1.9216E-02 | 5.05402E+27 | 0.02259  |
| 1.9122E-02 | 5.02096E+27 | 0.022442 |
| 1.8777E-02 | 4.98817E+27 | 0.022295 |
| 1.8758E-02 | 4.95565E+27 | 0.02215  |
| 1.8655E-02 | 4.92339E+27 | 0.022006 |
| 1.8483E-02 | 4.89139E+27 | 0.021863 |
| 1.8431E-02 | 4.85964E+27 | 0.021721 |
| 1.8184E-02 | 4.82815E+27 | 0.02158  |
| 1.8254E-02 | 4.79691E+27 | 0.021441 |
| 1.8025E-02 | 4.76593E+27 | 0.021302 |
| 1.7941E-02 | 4.73519E+27 | 0.021165 |
| 1.7815E-02 | 4.70469E+27 | 0.021028 |
| 1.7642E-02 | 4.67444E+27 | 0.020893 |
| 1.7488E-02 | 4.64443E+27 | 0.020759 |
| 1.7330E-02 | 4.61465E+27 | 0.020626 |
| 1.7241E-02 | 4.58511E+27 | 0.020494 |
| 1.7124E-02 | 4.55581E+27 | 0.020363 |
| 1.7068E-02 | 4.52674E+27 | 0.020233 |
| 1.6984E-02 | 4.4979E+27  | 0.020104 |
| 1.6867E-02 | 4.46928E+27 | 0.019976 |
| 1.6811E-02 | 4.44089E+27 | 0.019849 |
| 1.6685E-02 | 4.41272E+27 | 0.019723 |
| 1.6587E-02 | 4.38478E+27 | 0.019598 |
| 1.6517E-02 | 4.35705E+27 | 0.019475 |
| 1.6424E-02 | 4.32954E+27 | 0.019352 |
| 1.6275E-02 | 4.30225E+27 | 0.01923  |
| 1.6130E-02 | 4.27516E+27 | 0.019109 |
| 1.6060E-02 | 4.24829E+27 | 0.018988 |
| 1.5994E-02 | 4.22163E+27 | 0.018869 |
| 1.5840E-02 | 4.19517E+27 | 0.018751 |
| 1.5705E-02 | 4.16892E+27 | 0.018634 |
| 1.5602E-02 | 4.14288E+27 | 0.018517 |
| 1.5500E-02 | 4.11703E+27 | 0.018402 |
| 1.5373E-02 | 4.09139E+27 | 0.018287 |
| 1.5294E-02 | 4.06594E+27 | 0.018173 |
| 1.5187E-02 | 4.04068E+27 | 0.01806  |
| 1.5135E-02 | 4.01563E+27 | 0.017948 |
| 1.5061E-02 | 3.99076E+27 | 0.017837 |

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| 1.4967E-02 | 3.96608E+27 | 0.017727 |
| 1.4865E-02 | 3.9416E+27  | 0.017618 |
| 1.4799E-02 | 3.9173E+27  | 0.017509 |
| 1.4683E-02 | 3.89318E+27 | 0.017401 |
| 1.4556E-02 | 3.86925E+27 | 0.017294 |
| 1.4449E-02 | 3.84551E+27 | 0.017188 |
| 1.4323E-02 | 3.82194E+27 | 0.017083 |
| 1.4206E-02 | 3.79855E+27 | 0.016978 |
| 1.4080E-02 | 3.77534E+27 | 0.016874 |
| 1.3987E-02 | 3.7523E+27  | 0.016772 |
| 1.3819E-02 | 3.72944E+27 | 0.016669 |
| 1.3725E-02 | 3.70675E+27 | 0.016568 |
| 1.3725E-02 | 3.68423E+27 | 0.016467 |
| 1.3641E-02 | 3.66188E+27 | 0.016367 |
| 1.3571E-02 | 3.6397E+27  | 0.016268 |
| 1.3520E-02 | 3.61769E+27 | 0.01617  |
| 1.3450E-02 | 3.59584E+27 | 0.016072 |
| 1.3385E-02 | 3.57415E+27 | 0.015975 |
| 1.3305E-02 | 3.55263E+27 | 0.015879 |
| 1.3175E-02 | 3.53126E+27 | 0.015784 |
| 1.3091E-02 | 3.51006E+27 | 0.015689 |
| 1.2969E-02 | 3.48901E+27 | 0.015595 |
| 1.2871E-02 | 3.46812E+27 | 0.015501 |
| 1.2759E-02 | 3.44739E+27 | 0.015409 |
| 1.2670E-02 | 3.4268E+27  | 0.015317 |
| 1.2530E-02 | 3.40637E+27 | 0.015225 |
| 1.2456E-02 | 3.3861E+27  | 0.015135 |
| 1.2400E-02 | 3.36597E+27 | 0.015045 |
| 1.2316E-02 | 3.34599E+27 | 0.014955 |
| 1.2260E-02 | 3.32615E+27 | 0.014867 |
| 1.2194E-02 | 3.30646E+27 | 0.014779 |
| 1.2143E-02 | 3.28692E+27 | 0.014691 |
| 1.2045E-02 | 3.26752E+27 | 0.014605 |
| 1.1993E-02 | 3.24826E+27 | 0.014519 |
| 1.1923E-02 | 3.22914E+27 | 0.014433 |
| 1.1858E-02 | 3.21016E+27 | 0.014348 |
| 1.1788E-02 | 3.19132E+27 | 0.014264 |
| 1.1727E-02 | 3.17262E+27 | 0.014181 |
| 1.1662E-02 | 3.15405E+27 | 0.014098 |
| 1.1606E-02 | 3.13562E+27 | 0.014015 |
| 1.1513E-02 | 3.11732E+27 | 0.013933 |
| 1.1457E-02 | 3.09915E+27 | 0.013852 |
| 1.1401E-02 | 3.08111E+27 | 0.013772 |
| 1.1303E-02 | 3.06321E+27 | 0.013691 |
| 1.1172E-02 | 3.04543E+27 | 0.013612 |
| 1.1214E-02 | 3.02778E+27 | 0.013533 |
| 1.1181E-02 | 3.01026E+27 | 0.013455 |
| 1.1139E-02 | 2.99286E+27 | 0.013377 |
| 1.1092E-02 | 2.97559E+27 | 0.0133   |
| 1.0990E-02 | 2.95844E+27 | 0.013223 |
| 1.0943E-02 | 2.94142E+27 | 0.013147 |
| 1.0901E-02 | 2.92452E+27 | 0.013072 |

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| 1.0808E-02 | 2.90773E+27 | 0.012997 |
| 1.0714E-02 | 2.89107E+27 | 0.012922 |
| 1.0644E-02 | 2.87452E+27 | 0.012848 |
| 1.0565E-02 | 2.85809E+27 | 0.012775 |
| 1.0472E-02 | 2.84178E+27 | 0.012702 |
| 1.0401E-02 | 2.82558E+27 | 0.012629 |
| 1.0322E-02 | 2.8095E+27  | 0.012558 |
| 1.0163E-02 | 2.79353E+27 | 0.012486 |
| 1.0149E-02 | 2.77768E+27 | 0.012415 |
| 1.0075E-02 | 2.76193E+27 | 0.012345 |
| 1.0014E-02 | 2.7463E+27  | 0.012275 |
| 9.9720E-03 | 2.73078E+27 | 0.012206 |
| 9.8880E-03 | 2.71536E+27 | 0.012137 |
| 9.8366E-03 | 2.70005E+27 | 0.012068 |
| 9.7479E-03 | 2.68485E+27 | 0.012    |
| 9.7246E-03 | 2.66976E+27 | 0.011933 |
| 9.6779E-03 | 2.65477E+27 | 0.011866 |
| 9.6452E-03 | 2.63989E+27 | 0.011799 |
| 9.5798E-03 | 2.62511E+27 | 0.011733 |
| 9.5565E-03 | 2.61043E+27 | 0.011668 |
| 9.4865E-03 | 2.59585E+27 | 0.011603 |
| 9.4491E-03 | 2.58138E+27 | 0.011538 |
| 9.4258E-03 | 2.567E+27   | 0.011474 |
| 9.3744E-03 | 2.55272E+27 | 0.01141  |
| 9.3091E-03 | 2.53855E+27 | 0.011346 |
| 9.2717E-03 | 2.52447E+27 | 0.011284 |
| 9.2250E-03 | 2.51048E+27 | 0.011221 |
| 9.1597E-03 | 2.4966E+27  | 0.011159 |
| 9.1223E-03 | 2.48281E+27 | 0.011097 |
| 9.0663E-03 | 2.46911E+27 | 0.011036 |
| 9.0476E-03 | 2.45551E+27 | 0.010975 |
| 8.9916E-03 | 2.442E+27   | 0.010915 |
| 8.9683E-03 | 2.42858E+27 | 0.010855 |
| 8.9169E-03 | 2.41525E+27 | 0.010795 |
| 8.9122E-03 | 2.40202E+27 | 0.010736 |
| 8.8235E-03 | 2.38887E+27 | 0.010677 |
| 8.7768E-03 | 2.37581E+27 | 0.010619 |
| 8.7302E-03 | 2.36285E+27 | 0.010561 |
| 8.6835E-03 | 2.34997E+27 | 0.010504 |
| 8.6275E-03 | 2.33717E+27 | 0.010446 |
| 8.5761E-03 | 2.32447E+27 | 0.01039  |
| 8.5528E-03 | 2.31185E+27 | 0.010333 |
| 8.5247E-03 | 2.29931E+27 | 0.010277 |
| 8.4174E-03 | 2.28686E+27 | 0.010221 |
| 8.3660E-03 | 2.27449E+27 | 0.010166 |
| 8.3380E-03 | 2.26221E+27 | 0.010111 |
| 8.2633E-03 | 2.25001E+27 | 0.010057 |
| 8.2166E-03 | 2.23788E+27 | 0.010003 |
| 8.0766E-03 | 2.22585E+27 | 0.009949 |
| 8.0672E-03 | 2.21389E+27 | 0.009895 |
| 7.9972E-03 | 2.20201E+27 | 0.009842 |
| 7.9505E-03 | 2.19021E+27 | 0.009789 |

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| 7.8665E-03 | 2.17849E+27 | 0.009737 |
| 7.8338E-03 | 2.16684E+27 | 0.009685 |
| 7.7498E-03 | 2.15528E+27 | 0.009633 |
| 7.7031E-03 | 2.14379E+27 | 0.009582 |
| 7.6377E-03 | 2.13237E+27 | 0.009531 |
| 7.6050E-03 | 2.12103E+27 | 0.00948  |
| 7.5537E-03 | 2.10977E+27 | 0.00943  |
| 7.5210E-03 | 2.09858E+27 | 0.00938  |
| 7.4743E-03 | 2.08747E+27 | 0.00933  |
| 7.4603E-03 | 2.07642E+27 | 0.009281 |
| 7.4230E-03 | 2.06545E+27 | 0.009232 |
| 7.3763E-03 | 2.05456E+27 | 0.009183 |
| 7.3016E-03 | 2.04373E+27 | 0.009135 |
| 7.3063E-03 | 2.03297E+27 | 0.009087 |
| 7.2549E-03 | 2.02229E+27 | 0.009039 |
| 7.2222E-03 | 2.01167E+27 | 0.008991 |
| 7.2035E-03 | 2.00113E+27 | 0.008944 |
| 7.1522E-03 | 1.99065E+27 | 0.008898 |
| 7.1055E-03 | 1.98024E+27 | 0.008851 |
| 7.0728E-03 | 1.9699E+27  | 0.008805 |
| 7.0261E-03 | 1.95962E+27 | 0.008759 |
| 7.0121E-03 | 1.94941E+27 | 0.008713 |
| 6.9655E-03 | 1.93927E+27 | 0.008668 |
| 6.9468E-03 | 1.92919E+27 | 0.008623 |
| 6.9094E-03 | 1.91918E+27 | 0.008578 |
| 6.8908E-03 | 1.90923E+27 | 0.008534 |
| 6.8441E-03 | 1.89935E+27 | 0.008489 |
| 6.7974E-03 | 1.88953E+27 | 0.008446 |
| 6.7600E-03 | 1.87978E+27 | 0.008402 |
| 6.7460E-03 | 1.87008E+27 | 0.008359 |
| 6.7040E-03 | 1.86045E+27 | 0.008316 |
| 6.6853E-03 | 1.85088E+27 | 0.008273 |
| 6.6433E-03 | 1.84137E+27 | 0.00823  |
| 6.6060E-03 | 1.83192E+27 | 0.008188 |
| 6.5593E-03 | 1.82253E+27 | 0.008146 |
| 6.5453E-03 | 1.81321E+27 | 0.008104 |
| 6.5033E-03 | 1.80394E+27 | 0.008063 |
| 6.4846E-03 | 1.79473E+27 | 0.008022 |
| 6.4426E-03 | 1.78557E+27 | 0.007981 |
| 6.4239E-03 | 1.77648E+27 | 0.00794  |
| 6.3819E-03 | 1.76744E+27 | 0.0079   |
| 6.3772E-03 | 1.75846E+27 | 0.00786  |
| 6.3352E-03 | 1.74954E+27 | 0.00782  |
| 6.2792E-03 | 1.74068E+27 | 0.00778  |
| 6.2372E-03 | 1.73187E+27 | 0.007741 |
| 6.2372E-03 | 1.72311E+27 | 0.007702 |
| 6.1858E-03 | 1.71441E+27 | 0.007663 |
| 6.1531E-03 | 1.70576E+27 | 0.007624 |
| 6.1064E-03 | 1.69717E+27 | 0.007586 |
| 6.0924E-03 | 1.68864E+27 | 0.007548 |
| 6.0598E-03 | 1.68015E+27 | 0.00751  |
| 6.0411E-03 | 1.67172E+27 | 0.007472 |

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| 5.9991E-03 | 1.66334E+27 | 0.007435 |
| 5.9897E-03 | 1.65502E+27 | 0.007397 |
| 5.9477E-03 | 1.64674E+27 | 0.00736  |
| 5.9384E-03 | 1.63852E+27 | 0.007324 |
| 5.9010E-03 | 1.63035E+27 | 0.007287 |
| 5.8870E-03 | 1.62222E+27 | 0.007251 |
| 5.8403E-03 | 1.61415E+27 | 0.007215 |
| 5.8310E-03 | 1.60613E+27 | 0.007179 |
| 5.7890E-03 | 1.59816E+27 | 0.007143 |
| 5.7703E-03 | 1.59024E+27 | 0.007108 |
| 5.7330E-03 | 1.58236E+27 | 0.007073 |
| 5.7049E-03 | 1.57454E+27 | 0.007038 |
| 5.6723E-03 | 1.56676E+27 | 0.007003 |
| 5.6723E-03 | 1.55903E+27 | 0.006968 |
| 5.6209E-03 | 1.55135E+27 | 0.006934 |
| 5.6162E-03 | 1.54371E+27 | 0.0069   |
| 5.5509E-03 | 1.53613E+27 | 0.006866 |
| 5.5229E-03 | 1.52858E+27 | 0.006832 |
| 5.4949E-03 | 1.52109E+27 | 0.006799 |
| 5.4715E-03 | 1.51364E+27 | 0.006765 |
| 5.3922E-03 | 1.50623E+27 | 0.006732 |
| 5.4155E-03 | 1.49887E+27 | 0.006699 |
| 5.3735E-03 | 1.49156E+27 | 0.006667 |
| 5.3688E-03 | 1.48429E+27 | 0.006634 |
| 5.3408E-03 | 1.47706E+27 | 0.006602 |
| 5.3361E-03 | 1.46988E+27 | 0.00657  |
| 5.2941E-03 | 1.46274E+27 | 0.006538 |
| 5.2661E-03 | 1.45564E+27 | 0.006506 |
| 5.1727E-03 | 1.44859E+27 | 0.006475 |
| 5.1727E-03 | 1.44158E+27 | 0.006443 |
| 5.1541E-03 | 1.43461E+27 | 0.006412 |
| 5.1354E-03 | 1.42768E+27 | 0.006381 |
| 5.1074E-03 | 1.42079E+27 | 0.00635  |
| 5.1027E-03 | 1.41395E+27 | 0.00632  |
| 5.0700E-03 | 1.40715E+27 | 0.006289 |
| 5.0420E-03 | 1.40039E+27 | 0.006259 |
| 5.0140E-03 | 1.39366E+27 | 0.006229 |
| 5.0093E-03 | 1.38698E+27 | 0.006199 |
| 4.9627E-03 | 1.38034E+27 | 0.00617  |
| 4.9580E-03 | 1.37374E+27 | 0.00614  |
| 4.9160E-03 | 1.36717E+27 | 0.006111 |
| 4.9160E-03 | 1.36065E+27 | 0.006082 |
| 4.8693E-03 | 1.35416E+27 | 0.006053 |
| 4.8599E-03 | 1.34772E+27 | 0.006024 |
| 4.8273E-03 | 1.34131E+27 | 0.005995 |
| 4.8226E-03 | 1.33494E+27 | 0.005967 |
| 4.7852E-03 | 1.3286E+27  | 0.005938 |
| 4.7666E-03 | 1.32231E+27 | 0.00591  |
| 4.7386E-03 | 1.31605E+27 | 0.005882 |
| 4.7292E-03 | 1.30982E+27 | 0.005854 |
| 4.6919E-03 | 1.30364E+27 | 0.005827 |
| 4.6825E-03 | 1.29749E+27 | 0.005799 |

|            |             |          |
|------------|-------------|----------|
| 4.6405E-03 | 1.29138E+27 | 0.005772 |
| 4.6265E-03 | 1.2853E+27  | 0.005745 |
| 4.5892E-03 | 1.27926E+27 | 0.005718 |
| 4.5892E-03 | 1.27325E+27 | 0.005691 |
| 4.5518E-03 | 1.26728E+27 | 0.005664 |
| 4.5285E-03 | 1.26134E+27 | 0.005638 |
| 4.5331E-03 | 1.25544E+27 | 0.005611 |
| 4.4911E-03 | 1.24957E+27 | 0.005585 |
| 4.4818E-03 | 1.24374E+27 | 0.005559 |
| 4.4771E-03 | 1.23794E+27 | 0.005533 |
| 4.4444E-03 | 1.23217E+27 | 0.005507 |
| 4.4351E-03 | 1.22644E+27 | 0.005482 |
| 4.3931E-03 | 1.22074E+27 | 0.005456 |
| 4.3884E-03 | 1.21508E+27 | 0.005431 |
| 4.3511E-03 | 1.20944E+27 | 0.005406 |
| 4.3417E-03 | 1.20384E+27 | 0.005381 |
| 4.3091E-03 | 1.19827E+27 | 0.005356 |
| 4.2951E-03 | 1.19273E+27 | 0.005331 |
| 4.2530E-03 | 1.18723E+27 | 0.005307 |
| 4.2390E-03 | 1.18176E+27 | 0.005282 |
| 4.2110E-03 | 1.17631E+27 | 0.005258 |
| 4.2063E-03 | 1.1709E+27  | 0.005234 |
| 4.1690E-03 | 1.16552E+27 | 0.005209 |
| 4.1597E-03 | 1.16017E+27 | 0.005186 |
| 4.1270E-03 | 1.15485E+27 | 0.005162 |
| 4.1083E-03 | 1.14957E+27 | 0.005138 |
| 4.0990E-03 | 1.14431E+27 | 0.005115 |
| 4.0616E-03 | 1.13908E+27 | 0.005091 |
| 4.0523E-03 | 1.13388E+27 | 0.005068 |

## Solar Spectrum at Visible and Near-Visible Wavelengths

